大任 大任 HITPOINT INC.

100USTIC



We make good sound for your products

Is well known as a professional buzzer manufacturer.













Magnetic Buzzer
Piezo Electric Sounder
Mini Microphone
Mylar Speaker
Piezo Electric Buzzer
Piezo Siren
Horn Speaker
Piezo Ceramic Element



Founded in 1983, HITPOINT Inc. quickly made a name for itself in the field of piezo electric sounder manufacturing. By always providing customers with products and services of superior quality, the company has rapidly become one of major supplier of sounding elements in the country.

Over the years, the company has achieved a high rate of growth through continuous investment in new product development, and has successfully diversified into the manufacture of computer related products.

Hitpoint is having an indomitable team and staffs to

enhance our growth. We at HITPOINT are nonetheless well aware that our long term success depends on the following:



We are aiming at Research, Development, Punctual Delivery and Supreme Quality continuously!!

The quality of our products is recognized throughout the industry, and the recent implementation of an upgraded quality management system will ensure that our high standards are maintained in the future. In addition to providing a wide range of standard catalogue products, our highly experienced engineering team is capable of offering our clients customized solutions to meet their specific needs.

Company Name	HITPOINT INC.
Founded	May 15 , 1983
Capital paid-up	NTD: 70,000,000
Factory Area	3,000 SQ meters
Marketing Areas	Asia, North America, South America, Europe, South Africa, and Australia
Address	No.4, Lane 505, Zhongzheng Rd., LinKou Shiang, Taipei, Taiwan 24445, R.O.C
Web Site	http://www.hitpoint.com.tw

Moreover, we are proud of the flexibility of our staff, the promptness of our shipping, and especially the competitiveness of our pricing.

With over 26 years of experience behind us, we are dedicated to providing optimal solutions for our customers now and in the years to come.







Business Scope

Acoustic Product Department
Manufacturing and Sales
Buzzer
Piezo
Magnetic Transducer
Siren
Miniature Microphone
Mini Speaker
SMD Acoustic Element

→ All Product Index

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Principle of Part Number (編碼原則一)
■ Magnetic Buzzer P B - 09 N 27 P E F - 36 Q
Magnet Buzzer(電磁式蜂鳴器) Diameter(塑殼外徑) N=DC Type(有源)/ Non=AC Type(無源) Resonant Frequency(諧振頻率) P=Pin Type(針腳)/ W=Wire Type(線材)/ M=SMD Type(貼片) E=Epoxy(膠環氧)/ F=Separate Part(分體) S=Smaller(小腳距)/ L=Longer(長腳距) Voltage(電壓) Q=RoHS(無鉛)
■ Piezo Electric Sounder P T - 27 35 F P L C
Piezo Electric Sounder (壓電式蜂鳴器) Dimension of Piezo Ceramic Element (蜂鳴片直徑 Unit:mm) Resonant Frequency (諧振頻率) F=Feedback / Self Drive (回授 / 自激式) / Non=No Feedback / External Drive (無回授 / 他激式) P=Pin Type (針腳) / W=Wire Type (線材) / M=SMD Type (貼片) Longer Pin Type (加長型針腳) Q=RoHS (無鉛)
■ Piezo Electric Buzzer P K - 35 N 29 P S - 220 Q
K=Constant(直音)/F=Fast pulse(快節拍音) L=Slow Pulse(慢節拍音) FD=Fast Pulse + Constant(快節拍 + 直音) LD=Slow Pulse + Constant(慢節拍 + 直音) Dimension of Piezo Ceramic Element(蜂鳴片直徑 Unit:mm) N=Normal(正常音量)/ A=Louder(高音量量)/ H=High(最高音量) Resonant Frequency(諧振頻率) P=Pin Type(針腳)/ W=Wire Type(線材)/ E=Epoxy(膠環氧) Pin Pitch(針距): M=17.5mm / S=Smaller Voltage(電壓) Q=RoHS(無鉛)
■ Mini Microphone PMO F - 97 45 U W N - 42 Q
F=Foil (振膜式) / Non=Back (背極式) Diameter (塑殼外徑) Height (高度) U=Uni-Direction (單指向) D=Noise Cancelling (消噪) Non=Omni-Direction (全指向) P=Pin Type (針腳) / W=Wire Type (線材) / S=Soldering (焊點) N=33pF&10pF / C=33pF / K=10pF Sensitivity Q=RoHS (無鉛)

Principle of Part Number (編碼原則二)

■ Piezo Siren / Horn Speaker

PS-513-24VQ

S=Siren (警報器)/H=Horn (號角型喇叭)-Shape of case (塑殼形狀)

0=Constant (直音) / 1=Pulse (斷續音)

2=Hi-Low (高低音)/3=Sweep (警報音)-

Voltage (電壓)

Q=RoHS(無鉛) -

Speaker (喇叭) -Diameter (塑殼外徑) —

■ Mini Speaker

<u>P</u>	<u>SR</u>	- <u>15</u>	<u>N</u>	<u>0</u>	<u>8 </u>	<u>10</u>	<u>0</u> -	Q
	_							
- \								

N=Magnet In (內磁)/F=Magnet Out (外磁) -Impedance (阻抗) -Housing Material: A=Iron (鐵殼) / S=Plastic (塑殼) / T=Other (其他) -

No. (流水號) Q=RoHS(無鉛)-

Piezo Electric Ceramic Element

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and the second s					
Piezo Ceramic Element (音片)					
Diameter (塑殼外徑) ———————————————————————————————————]			
Resonant Frequency (諧振頻率) ———————————————————————————————————					
0=No Feedback Type (無回授) / 1=Feedback Type (回授)					
B=Copper (銅) / T=Nickel (鎳合金) / S=Stainless (不銹鋼) / F=Iron (馬口鐵) —					

PT Series

No. (流水號)·

- · Low current consumption and high sound output
- · Extremely clear and penetrating sound

- Small size and light weight
- No electronic noise

Applications

- · Office automatic equipment
- Communication equipment
- Various home appliance
- Various alarms
- Toys
- Vehicles and computers

■ PB Series

Features

- · Low current consumption and high sound output
- Extremely clear and penetrating sound
- · Small size and light weight
- · No electronic noise

Applications

- Office automatic equipment
- Communication equipment
- Various home appliance
- Various alarms Toys
- Vehicles and computers

PK / PF / PL / PFD / PLD Series

- · Low current consumption and high sound output
- Extremely clear and penetrating sound
- Drive circuit built in
- Various tones combinations
- · No electronic noise

Applications

- Office automatic equipment
- Communication equipment
- Various home appliance
- Various alarms
- - Vehicles and computers

■ PS / PH Series

Features

- · Very high sound output
- · High reliability and long life
- There are models extremely thin PS-580 Series
- Various tones and housing combinations

Applications

- Alarm systems
- Security systems
- Automatic equipment
- Vehicle back alarms

Magnetic Buzzer / AC Type (無源電磁式蜂鳴器)

PB-0627PE-01Q

PB-0627PE-03Q 3 PB-0627PE-05Q 5

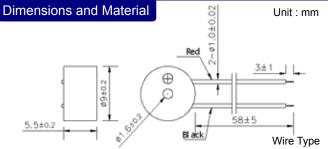


Dimensions and Material Unit: mm

Electrical Characteristics	Vp-p 1 / 2 duty , square	e wave
Oscillation Frequency	2731	Hz
Operating Voltage	1.25 ~ 2.5	Vp-p
Rated Voltage	1.5	Vp-p
Current Consumption (Max)	85 at Rated Voltage	mA
Sound Pressure Level (Min)	72 at 10cm at Rated Voltage	dB
Coil Resistance	5.5 ± 1	Ω
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PB-0927W-36Q





Electrical Characteristics

Vp-p 1 / 2 duty , square wave

Oscillation Frequency	2731	Hz
Operating Voltage	2 ~ 4	Vp-p
Rated Voltage	3.6	Vp-p
Current Consumption (Max)	90 at Rated Voltage	mA
Sound Pressure Level (Min)	85 at 10cm at Rated Voltage	dB
Coil Resistance	15 ± 2	Ω
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PB-0927PQ





Pin Type

PB-0927P-01Q PB-0927P-03Q 3 V PB-0927P-05Q 5 V





Dimensions and Material Unit:mm 3±0.5 Pin Type

Electrical Characteristic	S Vp-p 1 / 2 duty , square	wave
Oscillation Frequency	2731	Hz
Operating Voltage	4.5 ~ 5.5	Vp-p
Rated Voltage	5.0	Vp-p
Current Consumption (Max)	75 at Rated Voltage	mA
Sound Pressure Level (Min)	85 at 10cm at Rated Voltage	dB
Coil Resistance	25 ± 4	Ω
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

Dimensions and Material Unit: mm

Electrical Characteristic	S Vp-p 1 / 2 duty , square	e wave
Oscillation Frequency	2731	Hz
Operating Voltage	1.25 ~ 2.5	Vp-p
Rated Voltage	1.5	Vp-p
Current Consumption (Max)	75 at Rated Voltage	mA
Sound Pressure Level (Min)	80 at 10cm at Rated Voltage	dB
Coil Resistance	6 ± 1	Ω
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

Magnetic Buzzer / AC Type (無源電磁式蜂鳴器)

PB-0927PE-36Q

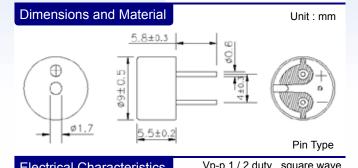


Dimensions and Material Unit: mm Epoxy resin 4.5±0.2 Pin Type

Electrical Characteristic	S vp-p 1/2 duty, square	e wave
Oscillation Frequency	2731	Hz
Operating Voltage	3.0 ~ 4.0	Vp-p
Rated Voltage	3.6	Vp-p
Current Consumption (Max)	90 at Rated Voltage	mA
Sound Pressure Level (Min)	85 at 10cm at Rated Voltage	dB
Coil Resistance	15 ± 2	Ω
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PB-0927PD1AQ





Electrical Characteristics			
Oscillation Frequency	2731	Hz	
Operating Voltage	3 ~ 7.0	Vp-p	
Rated Voltage	5.0	Vp-p	
Current Consumption (Max)	80 at Rated Voltage	mA	
Sound Pressure Level (Min)	85 at 10cm at Rated Voltage	dB	
Coil Resistance	25 ± 4	Ω	
Operating Temperature	-30 ~ +70	°C	
Storage Temperature	-40 ~ +80	°C	
Wave soldering conditions	260 ± 5 °C / within 5sec	°C	
Manual soldering conditions	350 ± 20 °C / within 5sec	°C	

PB-0927PDQ

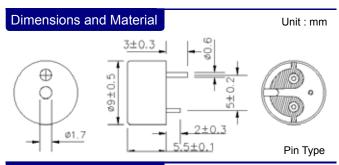




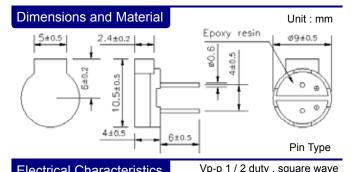
PB-09C27PE-01AQ

PB-09C27PE-03AQ 3 V PB-09C27PE-05Q 5 V





Electrical Characteristics	Vp-p 1 / 2 duty , square	e wave
Oscillation Frequency	2731	Hz
Operating Voltage	1.1 ~ 6.0	Vp-p
Rated Voltage	5.0	Vp-p
Current Consumption (Max)	100 at Rated Voltage	mA
Sound Pressure Level (Min)	85 at 10cm at Rated Voltage	dB
Coil Resistance	25 ± 4	Ω
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C
Wave soldering conditions	260 ± 5°C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C



Oscillation Frequency	2731	Hz
Operating Voltage	1.25 ~ 2.0	Vp-p
Rated Voltage	1.5	Vp-p
Current Consumption (Max)	70 at Rated Voltage	mA
Sound Pressure Level (Min)	80 at 10cm at Rated Voltage	dB
Coil Resistance	5.5 ± 2	Ω
Operating Temperature	-30 ~ +70	°C
Storage Temperature	-40 ~ +80	°C
Wave soldering conditions	260 ± 5°C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

Magnetic Buzzer / AC Type (無源電磁式蜂鳴器)

PB-2508PE-05Q

PB-2508PE-12Q 12 V



Dimensions and Material Unit: mm Potti ng 0.5 **(D)** 824.8±0.3 Sound Holled 3.5 Pin Type

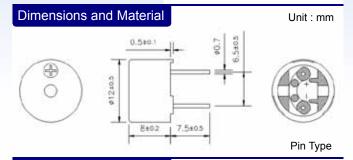
Vp-p 1 / 2 duty , square wave **Electrical Characteristics** Oscillation Frequency 800 Operating Voltage 3.0 ~ 7.0 Vp-p Rated Voltage 5.0 Vp-p Current Consumption (Max) 80 at Rated Voltage mA Sound Pressure Level (Min) dB 85 at 10cm at Rated Voltage Coil Resistance Ω 33 ± 5 °C **Operating Temperature** -20 ~ +70 -30 ~ +80 °C Storage Temperature °C Wave soldering conditions 260 ± 5°C / within 5sec

PB-1220PQ

PB-1220P-05Q

5





Electrical Characteristics Vp-p 1 / 2 duty , square w		e wave
Oscillation Frequency	2048	Hz
Operating Voltage	1.25 ~ 2.5	Vp-p
Rated Voltage	1.5	Vp-p
Current Consumption (Max)	40 at Rated Voltage	mA
Sound Pressure Level (Min)	85 at 10cm at Rated Voltage	dB
Coil Resistance	16 ± 2	Ω
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C
Wave soldering conditions	260 ± 5°C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

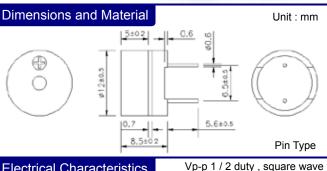
PB-1220P-SGQ

Manual soldering conditions



 $350 \pm 20 \,^{\circ}\text{C}$ / within 5sec

°C



Electrical Characteristic	s vp p 1 / 2 daty , square	wave
Oscillation Frequency	2048	Hz
Operating Voltage	1.25 ~ 2.5	Vp-p
Rated Voltage	1.5	Vp-p
Current Consumption (Max)	32 at Rated Voltage	mA
Sound Pressure Level (Min)	85 at 10cm at Rated Voltage	dB
Coil Resistance	16 ± 2	Ω
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PB-1220PEQ

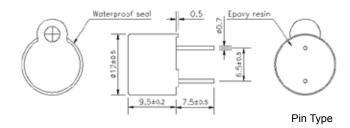
PB-1220PE-05Q PB-1220PE-12Q





Dimensions and Material

Unit: mm



Electrical Characteristics Vp-p 1 / 2 duty, square wa		e wave
Oscillation Frequency	2048	Hz
Operating Voltage	1.25 ~ 2.5	Vp-p
Rated Voltage	1.5	Vp-p
Current Consumption (Max)	32 at Rated Voltage	mA
Sound Pressure Level (Min)	85 at 10cm at Rated Voltage	dB
Coil Resistance	16 ± 5	Ω
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C
Wave soldering conditions	260 ± 5°C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

Magnetic Buzzer / AC Type (無源電磁式蜂鳴器)

PB-1220PFQ

PB-1220PF-05Q 5



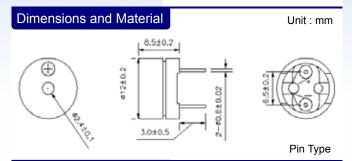


Dimensions and Material Unit: mm

Electrical Characteristics	Vp-p 1 / 2 duty , square wave	
Oscillation Frequency	2048	Hz
Operating Voltage	1 ~ 2	Vp-p
Rated Voltage	1.5	Vp-p
Current Consumption (Max)	40 at Rated Voltage	mA
Sound Pressure Level (Min)	85 at 10cm at Rated Voltage	dB
Coil Resistance	16 ± 2	Ω
Operating Temperature	-20 ~ + 70	°C
Storage Temperature	-30 ~ +80	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PB-1220PF-01Q



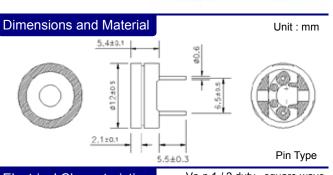


Electrical Characteristics Vp-p 1 / 2 duty , square wa		e wave
Oscillation Frequency	2048	Hz
Operating Voltage	1.25 ~ 2.5	Vp-p
Rated Voltage	1.5	Vp-p
Current Consumption (Max)	40 at Rated Voltage	mA
Sound Pressure Level (Min)	88 at 10cm at Rated Voltage	dB
Coil Resistance	16 ± 2	Ω
Operating Temperature	-20 ~ +60	°C
Storage Temperature	-30 ~ +80	°C
Wave soldering conditions	260 ± 5°C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PB-12S20PQ



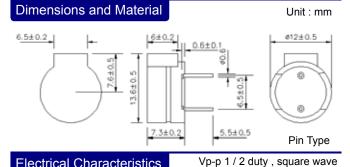




Electrical Characteristic	S vp-p 172 duty, square	wave
Oscillation Frequency	2048	Hz
Operating Voltage	1.25 ~ 2.5	Vp-p
Rated Voltage	1.5	Vp-p
Current Consumption (Max)	32 at Rated Voltage	mA
Sound Pressure Level (Min)	80 at 10cm at Rated Voltage	dB
Coil Resistance	16 ± 2	Ω
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PB-12C20PEQ





Electrical Characteristic	s vp p 17 2 daty , equals	···a··o
Oscillation Frequency	2048	Hz
Operating Voltage	1.25 ~ 2.5	Vp-p
Rated Voltage	1.5	Vp-p
Current Consumption (Max)	70 at Rated Voltage	mA
Sound Pressure Level (Min)	80 at 10cm at Rated Voltage	dB
Coil Resistance	6.5 ± 1	Ω
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

Magnetic Buzzer / AC Type (無源電磁式蜂鳴器)

PB-1221PQ



Dimensions and Material Unit:mm

Electrical Characteristics	Vp-p 1 / 2 duty , square	wave
Oscillation Frequency	2048	Hz
Operating Voltage	1.25 ~ 2.5	Vp-p
Rated Voltage	1.5	Vp-p
Current Consumption (Max)	18 at Rated Voltage	mA
Sound Pressure Level (Min)	80 at 10cm at Rated Voltage	dB
Coil Resistance	42 ± 5	Ω
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C
Wave soldering conditions	260 ± 5°C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

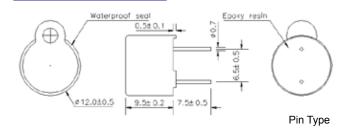
PB-1221PEQ





Unit: mm

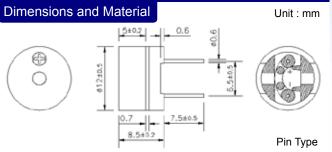
Dimensions and Material



Electrical Characteristics Vp-p 1 / 2 duty, square wave		e wave
Oscillation Frequency	2048	Hz
Operating Voltage	1.25 ~ 2.5	Vp-p
Rated Voltage	1.5	Vp-p
Current Consumption (Max)	15 at Rated Voltage	mA
Sound Pressure Level (Min)	80 at 10cm at Rated Voltage	dB
Coil Resistance	42 ± 5	Ω
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PB-1221P-SGQ



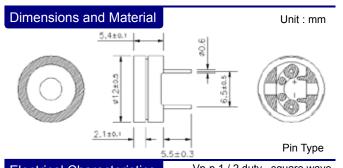


Electrical Characteristics	Vp-p 1 / 2 duty , square	e wave
Oscillation Frequency	2048	Hz
Operating Voltage	1.25 ~ 2.5	Vp-p
Rated Voltage	1.5	Vp-p
Current Consumption (Max)	15 at Rated Voltage	mA
Sound Pressure Level (Min)	80 at 10cm at Rated Voltage	dB
Coil Resistance	42 ± 4	Ω
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C
Wave soldering conditions	260 ± 5°C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PB-12S21PQ







Electrical Characteristics Vp-p 1 / 2 duty, square way		e wave
Oscillation Frequency	2048	Hz
Operating Voltage	1.25 ~ 2.5	V p-p
Rated Voltage	1.5	Vp-p
Current Consumption (Max)	15 at Rated Voltage	mA
Sound Pressure Level (Min)	75 at 10cm at Rated Voltage	dB
Coil Resistance	42 ± 4	Ω
Operating Temperature	-20 ~ +7 0	°C
Storage Temperature	-30 ~ +80	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

Magnetic Buzzer / AC Type (無源電磁式蜂鳴器)

PB-12M21PQ





Dimensions and Material



2-00.6±0.02



Unit: mm

Pin Type

Electrical Characteristics

Vp-p 1 / 2 duty , square wave

Oscillation Frequency	2048	Hz
Operating Voltage	1.25 ~ 2.5	Vp-p
Rated Voltage	1.5	Vp-p
Current Consumption (Max)	15 at Rated Voltage	mA
Sound Pressure Level (Min)	80 at 10cm at Rated Voltage	dB
Coil Resistance	42 ± 2	Ω
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C
Wave soldering conditions	260 ± 5°C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

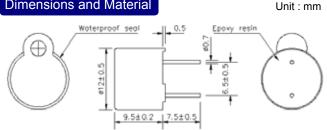
5.5±0.5

PB-1224PEQ

PB-1224PE-03Q	3	V
PB-1224PE-05Q	5	V
PB-1224PE-12Q	12	V



Dimensions and Material



PIII	rype

Electrical Characteristic	S Vp-p 1 / 2 duty , square	wave
Oscillation Frequency	2400	Hz
Operating Voltage	1.25 ~ 2.5	Vp-p
Rated Voltage	1.5	Vp-p
Current Consumption (Max)	32 at Rated Voltage	mA
Sound Pressure Level (Min)	85 at 10cm at Rated Voltage	dB
Coil Resistance	16 ± 2	Ω
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PB-1222PE-12Q



Dimensions and Material Unit: mm Pin Type

Electrical Characteristics

V	p-	p	1	/	2	duty	,	square	wav	'E
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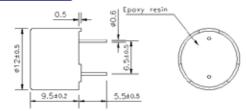
Oscillation Frequency	2200	Hz
Operating Voltage	9.0 ~ 15	Vp-p
Rated Voltage	12	Vp-p
Current Consumption (Max)	55 at Rated Voltage	mA
Sound Pressure Level (Min)	85 at 10cm at Rated Voltage	dB
Coil Resistance	140 ± 14	Ω
Operating Temperature	-20 ~ +7 0	°C
Storage Temperature	-30 ~ +80	°C
Wave soldering conditions	260 ± 5°C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PB-1226PEAQ



Dimensions and Material





Pin Type

Unit: mm

Electrical Characteristic	S Vp-p 1 / 2 duty , square	e wave
Oscillation Frequency	2600	Hz
Operating Voltage	1.1 ~ 3.0	Vp-p
Rated Voltage	1.5	Vp-p
Current Consumption (Max)	30 at Rated Voltage	mA
Sound Pressure Level (Min)	85 at 10cm at Rated Voltage	dB
Coil Resistance	15 ± 3	Ω
Operating Temperature	-30 ~ +70	°C
Storage Temperature	-40 ~ +80	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

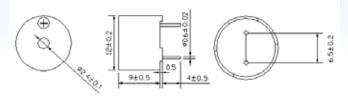
Magnetic Buzzer / AC Type (無源電磁式蜂鳴器)

PB-1240PE-12Q



Dimensions and Material

Unit: mm

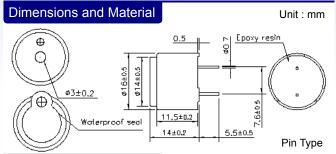


Pin Type

Electrical Characteristic	Vp-p 1 / 2 duty , square	e wave
Oscillation Frequency	4096	Hz
Operating Voltage	9~ 15	Vp-p
Rated Voltage	12	Vp-p
Current Consumption (Max)	50 at Rated Voltage	mA
Sound Pressure Level (Min)	85 at 10cm at Rated Voltage	dB
Coil Resistance	140 ± 14	Ω
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +85	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	$350 \pm 20 ^{\circ}\text{C}$ / within 5sec	°C

PB-1621PQ





Electrical Characteristic	Vp-p 1 / 2 duty , square	e wave
Oscillation Frequency	2048	Hz
Operating Voltage	4.0 ~ 7.0	Vp-p
Rated Voltage	5.0	Vp-p
Current Consumption (Max)	60 at Rated Voltage	mA
Sound Pressure Level (Min)	85 at 10cm at Rated Voltage	dB
Coil Resistance	68 ± 8	Ω
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C
Wave soldering conditions	260 ± 5°C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PB-1622PQ

Electrical Characteristics

Wave soldering conditions

Manual soldering conditions





Vp-p 1 / 2 duty , square wave

 $260 \pm 5^{\circ}$ C / within 5sec

 $350 \pm 20 \, ^{\circ}\text{C}$ / within 5sec

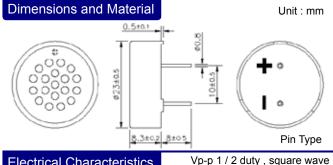
°C

Dimensions and Material Unit: mm Waterproof sed 0.5 Epoxy resin 11.5±0.2 14±0.2 Pin Type

Oscillation Frequency	2048	Hz
Operating Voltage	10 ~ 14	Vp-p
Rated Voltage	12	Vp-p
Current Consumption (Max)	40 at Rated Voltage	mA
Sound Pressure Level (Min)	85 at 10cm at Rated Voltage	dB
Coil Resistance	145 ± 15	Ω
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ ±80	°C

PB-2015PQ





Electrical Characteristic	νρ-ρ 172 duty, 3quare	wave
Oscillation Frequency	1500	Hz
Operating Voltage	2.0 ~ 5.0	V p-p
Rated Voltage	3.0	V p-p
Current Consumption (Max)	0.15	mA
Sound Pressure Level (Min)	75 at 10cm at Rated Voltage	dB
Coil Resistance	8.0 ± 2	Ω
Operating Temperature	-10 ~ +40	°C
Storage Temperature	-20 ~ +50	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

Magnetic Buzzer / AC Type (無源電磁式蜂鳴器)



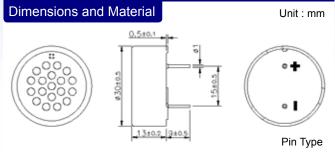


Dimensions and Material Unit: mm 8,3±0.2 0.5±0.1 90±88 2±0.2 Wire Type

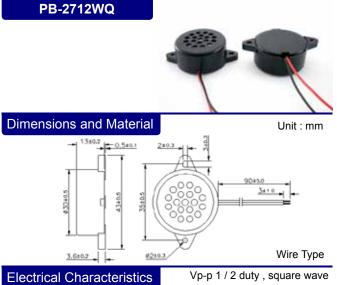
Electrical Characteristic	S Vp-p 1 / 2 duty , square	e wave
Oscillation Frequency	1500	Hz
Operating Voltage	2.0 ~ 5.0	V p-p
Rated Voltage	3.0	Vp-p
Current Consumption (Max)	0.15	mA
Sound Pressure Level (Min)	75 at 10cm at Rated Voltage	dB
Coil Resistance	8.0 ± 2	Ω
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PB-2712PQ

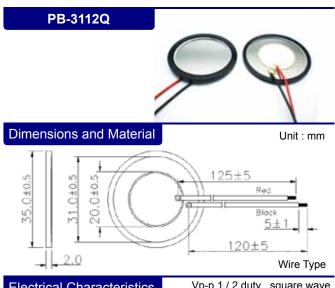




Electrical Characteristic	Vp-p 1 / 2 duty , square	e wave
Oscillation Frequency	1250	Hz
Operating Voltage	2.0 ~ 5.0	Vp-p
Rated Voltage	3.0	Vp-p
Current Consumption (Max)	0.2	mA
Sound Pressure Level (Min)	85 at 10cm at Rated Voltage	dB
Coil Resistance	8.0 ± 2	Ω
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C
Wave soldering conditions	260 ± 5°C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C



Electrical Characteristic	Vp-p 1 / 2 duty , square	e wave
Oscillation Frequency	1250	Hz
Operating Voltage	2.0 ~ 5.0	Vp-p
Rated Voltage	3.0	Vp-p
Current Consumption (Max)	0.2	mA
Sound Pressure Level (Min)	85 at 10cm at Rated Voltage	dB
Coil Resistance	8.0 ± 2	Ω
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C
Wave soldering conditions	260 ± 5°C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C



Electrical Characteristic	Vp-p 1 / 2 duty , square	e wave
Oscillation Frequency	1100	Hz
Operating Voltage	30	Vp-p
Rated Voltage	5.0	Vp-p
Current Consumption (Max)	1.5 at Rated Voltage	mΑ
Sound Pressure Level (Min)	70 at 10cm at Rated Voltage	dB
Coil Resistance	48,000 ± 30%at 120 Hz	Ω
Operating Temperature	-20 ~ +100	°C
Storage Temperature	-30 ~ +110	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

Magnetic Buzzer / AC Type (無源電磁式蜂鳴器)

Magnetic Buzzer / AC Type (無源電磁式蜂鳴器)

PB-0923ME-03Q





PB-0925ME-03Q

Dimensions and Material

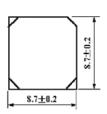
PB-0925ME-05Q

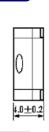
5 V

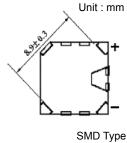




Dimensions and Material



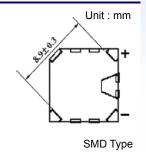




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7±0.2





Electrical Characteristics

Vp-p 1 / 2 duty , square wave

Oscillation Frequency	2300 ± 500	Hz
Operating Voltage	2.0 ~ 4.0	Vp-p
Rated Voltage	3.0	Vp-p
Current Consumption (Max)	80 at Rated Voltage	mA
Sound Pressure Level (Min)	83 at 10cm at Rated Voltage	dB
Coil Resistance	15 ± 2	Ω
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C
Wave soldering conditions	250 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

Electrical Characteristics

8.7±0.2

Vp-p 1 / 2 duty , square wave

Oscillation Frequency	2500	Hz
Operating Voltage	2.0 ~ 4.0	Vp-p
Rated Voltage	3.0	Vp-p
Current Consumption (Max)	80 at Rated Voltage	mA
Sound Pressure Level (Min)	85 at 10cm at Rated Voltage	dB
Coil Resistance	15 ± 2	Ω
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C
Wave soldering conditions	250 ± 5°C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PB-0927ME-01Q

PB-0927ME-03Q PB-0927ME-05Q 3 V 5 V





PB-0932ME-03Q

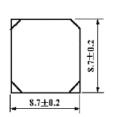
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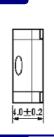
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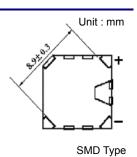




Dimensions and Material





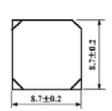


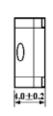
Electrical Characteristics

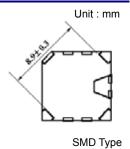
Vp-p 1 / 2 duty , square wave

Oscillation Frequency	2731	Hz
Operating Voltage	1.0 ~ 2.0	Vp-p
Rated Voltage	1.5	Vp-p
Current Consumption (Max)	80 at Rated Voltage	mA
Sound Pressure Level (Min)	83 at 10cm at Rated Voltage	dB
Coil Resistance	5.5 ± 1	Ω
Operating Temperature	-20 ~ +7 0	°C
Storage Temperature	-30 ~ +80	°C
Wave soldering conditions	250 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

Dimensions and Material







Vp-p 1 / 2 duty , square wave

Oscillation Frequency	3200 ± 500	Hz
Operating Voltage	2.0 ~ 4.0	Vp-p
Rated Voltage	3.0	Vp-p
Current Consumption (Max)	80 at Rated Voltage	mA
Sound Pressure Level (Min)	85 at 10cm at Rated Voltage	dB
Coil Resistance	16 ± 3	Ω
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C
Wave soldering conditions	250 ± 5°C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

Magnetic Buzzer / AC Type (無源電磁式蜂鳴器)

PB-0927S-03Q

PB-0927S-05Q

5 V



SMD Type

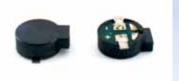
Dimensions and Material Unit: mm

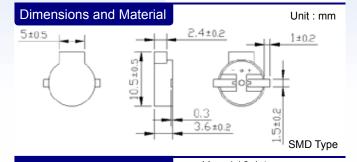
Vp-p 1 / 2 duty , square wave **Electrical Characteristics** Oscillation Frequency 2731 Operating Voltage 2.0 ~ 4.0 Vp-p Rated Voltage 3.0 Vp-p Current Consumption (Max) 80 at Rated Voltage mA Sound Pressure Level (Min) 85 at 10cm at Rated Voltage dB Coil Resistance Ω 15 ± 2 °C **Operating Temperature** -20 ~ +70 -30 ~ +80 °C Storage Temperature 250 ± 5 °C / within 5sec °C Wave soldering conditions °C Manual soldering conditions $350 \pm 20 \,^{\circ}\text{C}$ / within 5sec

PB-09S27P-03Q

PB-09S27P-05Q

5 V





Electrical Characteristic	S γρ-ρ 172 duty , Square	e wave
Oscillation Frequency	2731	Hz
Operating Voltage	2.0 ~ 4.0	Vp-p
Rated Voltage	3.0	Vp-p
Current Consumption (Max)	80 at Rated Voltage	mA
Sound Pressure Level (Min)	85 at 10cm at Rated Voltage	dB
Coil Resistance	15 ± 2	Ω
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C
Wave soldering conditions	250 ± 5°C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

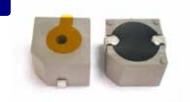
PB-1224M-05Q

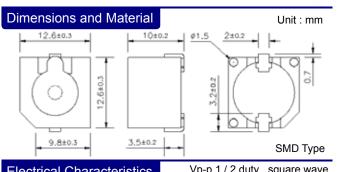


Dimensions and Material	Unit : mm
12.8±0.3 12.8±0.3 12.8±0.3 12.8±0.3 12.8±0.3 13.5 10.5 14.0±0.3 10.5 10.5±0.	3.8 SMD Type
Floatrical Characteristics	Vn-n 1 / 2 duty square wave

Electrical Characteristic	Vp-p 1 / 2 duty , square	e wave
Oscillation Frequency	2400	Hz
Operating Voltage	4 ~ 7	Vp-p
Rated Voltage	5	Vp-p
Current Consumption (Max)	50 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 10cm at Rated Voltage	dB
Coil Resistance	45± 5	Ω
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C
Wave soldering conditions	250 ± 5°C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PB-1224M-05HQ





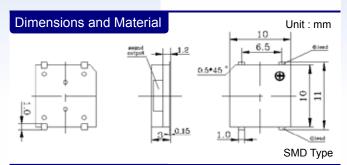
Electrical Characteristic	Vp-p 172 duty, square	wave
Oscillation Frequency	2400	Hz
Operating Voltage	4.0 ~ 7.0	Vp-p
Rated Voltage	5.0	Vp-p
Current Consumption (Max)	45 at Rated Voltage	mA
Sound Pressure Level (Min)	85 at 10cm at Rated Voltage	dB
Coil Resistance	45 ± 5	Ω
Operating Temperature	-20 ~ +7 0	°C
Storage Temperature	-30 ~ +80	°C
Wave soldering conditions	250 ± 5°C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

Magnetic Buzzer / AC Type (無源電磁式蜂鳴器)

PB-1027M-3Q

PB-1027M-5Q 5 V

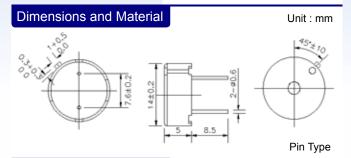




Electrical Characteristics	Vp-p 1 / 2 duty , square	e wave
Oscillation Frequency	2700	Hz
Operating Voltage	2.0 ~ 4.0	Vp-p
Rated Voltage	3.0	Vp-p
Current Consumption (Max)	100at Rated Voltage	mA
Sound Pressure Level (Min)	85 at 10cm at Rated Voltage	dB
Coil Resistance	17.5± 3	Ω
Operating Temperature	-30 ~ +70	°C
Storage Temperature	-40 ~ +85	°C
Wave soldering conditions	250 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PB-1420P-03AQ





Electrical Characteristic	racteristics Vp-p 1 / 2 duty , square wave	
Oscillation Frequency	2048	Hz
Operating Voltage	1 ~ 4	Vp-p
Rated Voltage	3	Vp-p
Current Consumption (Max)	35 at Rated Voltage	mA
Sound Pressure Level (Min)	85 at 10cm at Rated Voltage	dB
Coil Resistance	40 ± 6	Ω
Operating Temperature	-30 ~ +70	°C
Storage Temperature	-40 ~ +80	°C
Wave soldering conditions	260 ± 5°C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PB-1427M-05Q



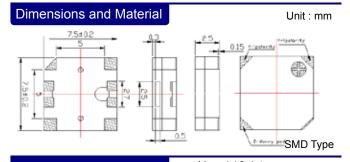
Dimensions and Material Unit: mm 000

SMD Type

Electrical Characteristics	Vp-p 1 / 2 duty , square wave	
Oscillation Frequency	2731	Hz
Operating Voltage	3 ~ 7	Vp-p
Rated Voltage	5	Vp-p
Current Consumption (Max)	60 at Rated Voltage	mA
Sound Pressure Level (Min)	87 at 10cm at Rated Voltage	dB
Coil Resistance	43 ± 5	Ω
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C
Wave soldering conditions	250 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PB-7525MQ





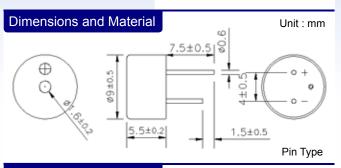
Electrical Characteristics Vp-p 1 / 2 duty, square wave		e wave
Oscillation Frequency	2700	Hz
Operating Voltage	2.5~4.5	Vp-p
Rated Voltage	3.6	Vp-p
Current Consumption (Max)	100 at Rated Voltage	mA
Sound Pressure Level (Min)	85 at 10cm at Rated Voltage	dB
Coil Resistance	15 ± 3	Ω
Operating Temperature	-30 ~ +70	°C
Storage Temperature	-40 ~ +80	°C
Wave soldering conditions	250 ± 5°C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

Magnetic Buzzer / DC Type (有源電磁式蜂鳴器)

PB-09N23P-03Q

PB-09N23P-05Q PB-09N23P-12Q



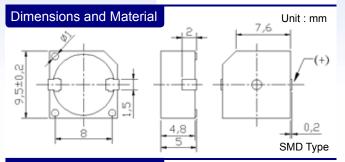


Electrical Characteristics

Oscillation Frequency	2300 ± 500	Hz
Operating Voltage	2.0 ~ 4.0	Vdc
Rated Voltage	3.0	Vdc
Current Consumption (Max)	30 at Rated Voltage	mA
Sound Pressure Level (Min)	82 at 10cm at Rated Voltage	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PB-09N27M-05Q





Electrical Characteristics

Oscillation Frequency	2.7 ± 0.3	Hz
Operating Voltage	3.0 ~ 7.0	Vdc
Rated Voltage	5.0	Vdc
Current Consumption (Max)	30 at Rated Voltage	mA
Sound Pressure Level (Min)	80 at 10cm at Rated Voltage	dB
Coil Resistance	Constant	Ω
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C
Wave soldering conditions	250 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PB-09N23PS-03Q





Dimensions and Material Unit: mm 6.8±0.2 5.5±0.2 5.3±0.2 Pin Type

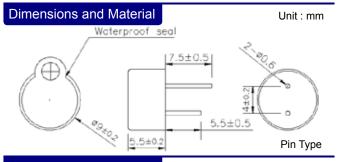
Electrical Characteristics

 \odot

Hz
Vdc
Vdc
age mA
Voltage dB
Hz
°C
°C
5sec °C
5sec °C

PB-09N27PS-05XQ





Oscillation Frequency	2731± 500	Hz
Operating Voltage	4.0 ~ 7.0	Vdc
Rated Voltage	5.0	Vdc
Current Consumption (Max)	30 at Rated Voltage	mA
Sound Pressure Level (Min)	85 at 10cm at Rated Voltage	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

Magnetic Buzzer / DC Type (有源電磁式蜂鳴器)

Magnetic Buzzer / DC Type (有源電磁式蜂鳴器)

PB-12N23W-03Q

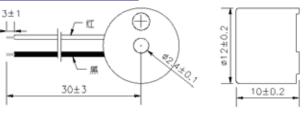


PB-12N23P-03Q

PB-12N23P-05Q	5	V
PB-12N23P-09Q	9	V
PB-12N23P-12Q	12	V



Dimensions and Material 3±1



Wire Type

Unit: mm

Dimensions and Material

Unit: mm Epoxy resir Pin Type

Electrical Characteristics

Oscillation Frequency	2300 ± 300	Hz
Operating Voltage	2.0 ~ 4.0	Vdc
Rated Voltage	3.0	Vdc
Current Consumption (Max)	30 at Rated Voltage	mA
Sound Pressure Level (Min)	85 at 10cm at Rated Voltage	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

Electrical Characteristics

Oscillation Frequency	2300 ± 400	Hz
Operating Voltage	2.0 ~ 5.0	Vdc
Rated Voltage	3.0	Vdc
Current Consumption (Max)	30 at Rated Voltage	mA
Sound Pressure Level (Min)	85 at 10cm at Rated Voltage	
Tone / Pulse Rate	Constant	
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PB-12N23MP-03Q

PB-12N23MP-05Q	5	V
PB-12N23MP-09Q	9	V
PB-12N23MP-12Q	12	V



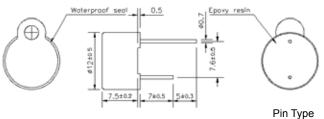
Unit: mm

PB-12N24M-03Q

PB-12N24M-05Q	5	V
PB-12N24M-12Q	12	V

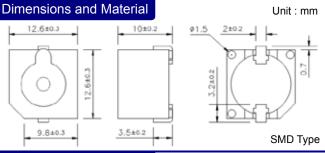


Dimensions and Material



Electrical Characteristics

Oscillation Frequency	2300 ± 400	Hz
Operating Voltage	2.0 ~ 5.0	Vdc
Rated Voltage	3.0	Vdc
Current Consumption (Max)	30 at Rated Voltage	mA
Sound Pressure Level (Min)	85 at 10cm at Rated Voltage	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C



Oscillation Frequency	2400 ± 300	Hz
Operating Voltage	2.0 ~ 5.0	Vdc
Rated Voltage	3.0	Vdc
Current Consumption (Max)	30 at Rated Voltage	mA
Sound Pressure Level (Min)	75 at 10cm at Rated Voltage	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C
Wave soldering conditions	250 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

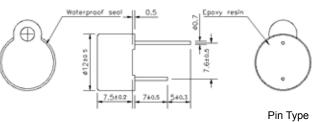
Magnetic Buzzer / DC Type (有源電磁式蜂鳴器)

PB-12N31MP-05Q



Unit: mm

Dimensions and Material

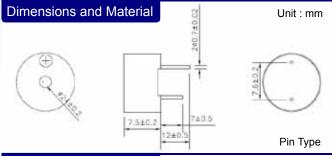


Electrical Characteristics

Oscillation Frequency	3100 ± 400	Hz
Operating Voltage	4.5 ~ 5.5	Vdc
Rated Voltage	5.0	Vdc
Current Consumption (Max)	50 at Rated Voltage	mA
Sound Pressure Level (Min)	85 at 10cm at Rated Voltage	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PB-12N32MP-05Q





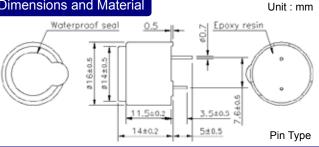
Electrical Characteristics

Oscillation Frequency	3200 ± 400	Hz
Operating Voltage	3.0 ~ 7.0	Vdc
Rated Voltage	5.0	Vdc
Current Consumption (Max)	50 at Rated Voltage	mA
Sound Pressure Level (Min)	85 at 10cm at Rated Voltage	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +7 0	°C
Storage Temperature	-30 ~ +80	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PB-16N23P-05Q



Dimensions and Material

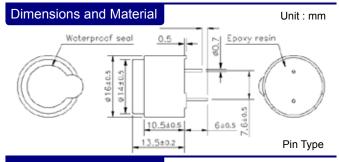


Electrical Characteristics

2300± 300	Hz
4.0 ~ 7.0	Vdc
5.0	Vdc
30 at Rated Voltage	mA
85 at 10cm at Rated Voltage	dB
Constant	Hz
-20 ~ +70	°C
-30 ~ +80	°C
260 ± 5 °C / within 5sec	°C
350 ± 20 °C / within 5sec	°C
	4.0 ~ 7.0 5.0 30 at Rated Voltage 85 at 10cm at Rated Voltage Constant -20 ~ +70 -30 ~ +80 260 ± 5 °C / within 5sec

PB-16N23P-12Q





Oscillation Frequency	2300 ± 400	Hz
Operating Voltage	9 ~ 15	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	50 at Rated Voltage	mA
Sound Pressure Level (Min)	85 at 10cm at Rated Voltage	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +7 0	°C
Storage Temperature	-30 ~ +80	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

Piezo Electric Sounder / External Drive (壓電式蜂鳴器 / 他激式)

Piezo Electric Sounder / External Drive (壓電式蜂鳴器 / 他激式)

PT-1140PEQ

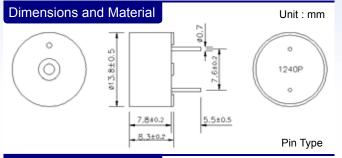


Dimensions and Material Unit: mm

Electrical Characteristics	Vp-p 1 / 2 duty , square	wave
Oscillation Frequency	4.0 ± 0.5	KHz
Operating Voltage	20	Vp-p
Rated Voltage	9.0	Vp-p
Current Consumption (Max)	7 at Rated Voltage	mA
Sound Pressure Level (Min)	85 at 10cm at Rated Voltage	dB
Capacitance	12,000 ± 30% at 120 Hz	pF
Operating Temperature	-20 ~ +60	°C
Storage Temperature	-30 ~ +70	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PT-1240PQ





Electrical Characteristic	S Vp-p 1 / 2 duty , square	e wave
Oscillation Frequency	4.1 ± 0.5	KHz
Operating Voltage	20	Vp-p
Rated Voltage	5.0	Vp-p
Current Consumption (Max)	2.0 at Rated Voltage	mA
Sound Pressure Level (Min)	80 at 10cm at Rated Voltage	dB
Capacitance	17,000 ± 30% at 120 Hz	pF
Operating Temperature	-20 ~ +90	°C
Storage Temperature	-30 ~ +100	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PT-1240PEQ





Pin Type

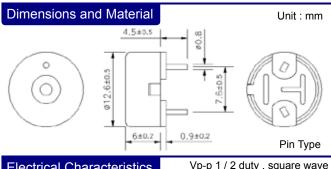
PT-1245P-PQ





Dimensions and Material Unit: mm

Electrical Characteristic	S Vp-p 1 / 2 duty , square	e wave
Oscillation Frequency	4.0 ± 0.5	KHz
Operating Voltage	30	Vp-p
Rated Voltage	5.0	Vp-p
Current Consumption (Max)	2.0 at Rated Voltage	mA
Sound Pressure Level (Min)	80 at 10cm at Rated Voltage	dB
Capacitance	17,000 ± 30% at 120 Hz	pF
Operating Temperature	-20 ~ +100	°C
Storage Temperature	-30 ~ +110	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C



Electrical Characteristic	Vp-p 172 duty, square	wave
Oscillation Frequency	4.0 ± 0.5	KHz
Operating Voltage	25	Vp-p
Rated Voltage	5.0	Vp-p
Current Consumption (Max)	1.5 at Rated Voltage	mA
Sound Pressure Level (Min)	80 at 10cm at Rated Voltage	dB
Capacitance	13,000 ± 30% at 120 Hz	pF
Operating Temperature	-20 ~ +100	°C
Storage Temperature	-30 ~ +110	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

Piezo Electric Sounder / External Drive (壓電式蜂鳴器 / 他激式)

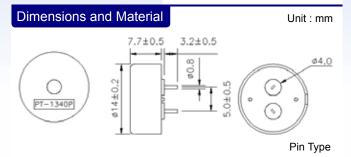


Dimensions and Material Unit: mm _7±0.5_ #13.8±0.5 4 ± 0.2 Pin Type

Electrical Characteristic	S Vp-p 1 / 2 duty , square	e wave
Oscillation Frequency	5.0 ± 0.5	KHz
Operating Voltage	25	Vp-p
Rated Voltage	5.0	Vp-p
Current Consumption (Max)	1.5 at Rated Voltage	mA
Sound Pressure Level (Min)	80 at 10cm at Rated Voltage	dB
Capacitance	15,000 ± 30% at 120 Hz	pF
Operating Temperature	-20 ~ +90	°C
Storage Temperature	-30 ~ +100	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PT-1340P-PQ





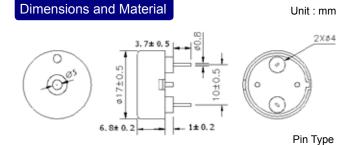
Electrical Characteristic	S vp-p 172 duty, square	e wave
Oscillation Frequency	4.0 ± 0.5	KHz
Operating Voltage	25	Vp-p
Rated Voltage	5.0	Vp-p
Current Consumption (Max)	1.5 at Rated Voltage	mA
Sound Pressure Level (Min)	80 at 10cm at Rated Voltage	dB
Capacitance	13,000 ± 30% at 120 Hz	pF
Operating Temperature	-20 ~ +100	°C
Storage Temperature	-30 ~ +110	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PT-1520PQ



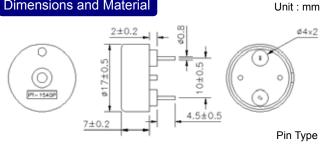
PT-1540PM-PQ





Electrical Characteristics	Vp-p 1 / 2 duty , square	e wave
Oscillation Frequency	2.0 ± 0.5	KHz
Operating Voltage	25	Vp-p
Rated Voltage	3.0	Vp-p
Current Consumption (Max)	1.5 at Rated Voltage	mA
Sound Pressure Level (Min)	72 at 10cm at Rated Voltage	dB
Capacitance	14,000 ± 30% at 120 Hz	pF
Operating Temperature	-20 ~ +100	°C
Storage Temperature	-30 ~ +110	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

Dimensions and Material

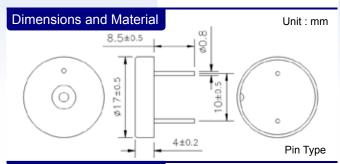


Electrical Characteristics	Vp-p 1 / 2 duty , square	e wave
Oscillation Frequency	4.0 ± 0.5	KHz
Operating Voltage	25	Vp-p
Rated Voltage	5.0	Vp-p
Current Consumption (Max)	1.5 at Rated Voltage	mA
Sound Pressure Level (Min)	85 at 10cm at Rated Voltage	dB
Capacitance	14,000 ± 30% at 120Hz	pF
Operating Temperature	-20 ~ +100	°C
Storage Temperature	-30 ~ +110	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

Piezo Electric Sounder / External Drive (壓電式蜂鳴器 / 他激式)

PT-1550PQ





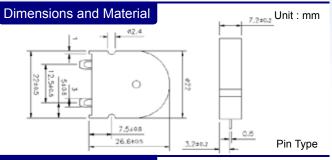
Electrical Characteristics		~ .	
EIECHICAI CHAIACIEHSHC	Lloctrical	Chara	otoriotico
	Electrical	Ullala	しにいらいしら

Vp-p 1 / 2 duty , square wave

Oscillation Frequency	5.0 ± 0.5	KHz
Operating Voltage	25	Vp-p
Rated Voltage	5.0	Vp-p
Current Consumption (Max)	1.5 at Rated Voltage	mA
Sound Pressure Level (Min)	80 at 10cm at Rated Voltage	dB
Capacitance	10,000 ± 30% at 120 Hz	pF
Operating Temperature	-20 ~ +90	°C
Storage Temperature	-30 ~ +100	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PT-2020PQ





Electrical Characteristics

Vp-p 1 / 2 duty , square wave

Oscillation Frequency	2.0 ± 0.5	Hz
Operating Voltage	30	Vp-p
Rated Voltage	5.0	Vp-p
Current Consumption (Max)	1.5 at Rated Voltage	mA
Sound Pressure Level (Min)	80 at 10cm at Rated Voltage	dB
Capacitance	25,000 ± 30% at 120 Hz	pF
Operating Temperature	-20 ~ +90	°C
Storage Temperature	-30 ~ +100	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PT-2030PQ



PT-2040PQ





Dimensions and Material	Unit : mm
8±0.2 11±0.5 7±0.5 7±0.5 7±0.5 7±0.5 7±0.5 7±0.5 7±0.5 7±0.5	Pin Type

Electrical Characteristics

Vp-p 1 / 2 duty , square wave

Oscillation Frequency	2.0 ± 0.5	KHz
Operating Voltage	25	Vp-p
Rated Voltage	5.0	Vp-p
Current Consumption (Max)	1.5 at Rated Voltage	mA
Sound Pressure Level (Min)	80 at 10cm at Rated Voltage	dB
Capacitance	25,000 ± 30% at 120 Hz	pF
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

Dimensions and Material

Unit: mm 2Xø4 曲 4.5±0.5 7±0.2 Pin Type

/p-p 1 / 2 duty , square wave

Oscillation Frequency	4.0 ± 0.5	KHz
Operating Voltage	30	Vp-p
Rated Voltage	5	Vp-p
Current Consumption (Max)	1.5 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 10cm at Rated Voltage	dB
Capacitance	25,000 ± 30% at 120 Hz	pF
Operating Temperature	-20 ~ +100	°C
Storage Temperature	-30 ~ +110	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

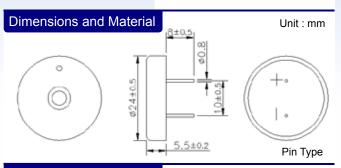
Pin Type

HITPOINT INC.

PT-2130PQ

Piezo Electric Sounder / External Drive (壓電式蜂鳴器 / 他激式)





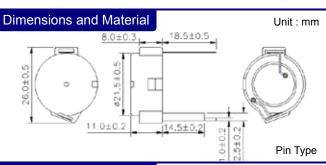
Electrical Characteristic	S Vp-p 1 / 2 duty , square	e wave
Oscillation Frequency	6.0 ± 0.5	Hz
Operating Voltage	30	Vp-p
Rated Voltage	5.0	Vp-p
Current Consumption (Max)	1.5 at Rated Voltage	mA
Sound Pressure Level (Min)	80 at 10cm at Rated Voltage	dB
Capacitance	12,000 ± 30% at 120 Hz	pF
Operating Temperature	-20 ~ +90	°C
Storage Temperature	-30 ~ +100	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

Dimensions and Material Unit: mm

9.5±0.2

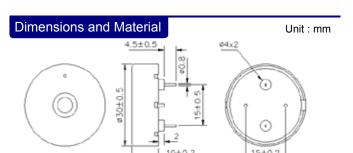
Electrical Characteristic	S Vp-p 1 / 2 duty , square	e wave
Oscillation Frequency	3.0 ± 0.5	KHz
Operating Voltage	30	Vp-p
Rated Voltage	5.0	Vp-p
Current Consumption (Max)	5.0 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 10cm at Rated Voltage	dB
Capacitance	26,000 ± 30% at 120 Hz	pF
Operating Temperature	-20 ~ +90	°C
Storage Temperature	-30 ~ +100	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C





Electrical Characteristics	Vp-p 1 / 2 duty , square	e wave
Oscillation Frequency	2.0 ± 0.5	KHz
Operating Voltage	30	Vp-p
Rated Voltage	5.0	Vp-p
Current Consumption (Max)	1.5 at Rated Voltage	mA
Sound Pressure Level (Min)	80 at 10cm at Rated Voltage	dB
Capacitance	25,000 ± 30% at 120 Hz	pF
Operating Temperature	-20 ~ +100	°C
Storage Temperature	-30 ~ +110	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PT-2725PQ



Electrical Characteristics	Vp-p 1 / 2 duty , square wave	
Oscillation Frequency	2.5 ± 0.5	KHz
Operating Voltage	30	Vp-p
Rated Voltage	5.0	Vp-p
Current Consumption (Max)	1.5 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 10cm at Rated Voltage	dB
Capacitance	30,000 ± 30% at 120 Hz	pF
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

Piezo Electric Sounder / External Drive (壓電式蜂鳴器 / 他激式)

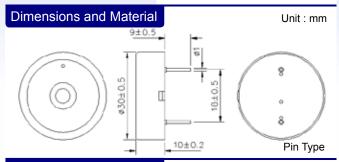
PT-2726PQ

Dimensions and Material Unit : mm

Electrical Characteristics	Vp-p 1 / 2 duty , square	wave
Oscillation Frequency	2.5 ± 0.5	Hz
Operating Voltage	30	Vp-p
Rated Voltage	5.0	Vp-p
Current Consumption (Max)	1.5 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 10cm at Rated Voltage	dB
Capacitance	30,000 ± 30% at 120 Hz	pF
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

PT-2736PQ

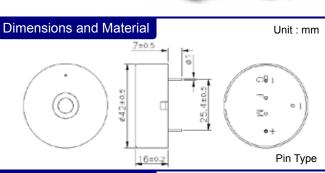




Electrical Characteristics Vp-p 172 duty, square wave		e wave
Oscillation Frequency	3.5 ± 0.5	KHz
Operating Voltage	30	Vp-p
Rated Voltage	5.0	Vp-p
Current Consumption (Max)	5.0 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 10cm at Rated Voltage	dB
Capacitance	18,000 ± 30% at 120 Hz	pF
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

PT-3529PQ

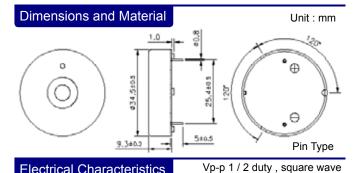




Electrical Characteristics Vp-p 1 / 2 duty , square way		e wave
Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage	30	Vp-p
Rated Voltage	5.0	Vp-p
Current Consumption (Max)	5.0 at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 10cm at Rated Voltage	dB
Capacitance	30,000 ± 30% at 120 Hz	pF
Operating Temperature	-20 ~ +90	°C
Storage Temperature	-30 ~ +100	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PT-3110P-05Q





Liectrical Characteristic	5 1 p p 1 / 2 daty , equal (
Oscillation Frequency	1.1 ± 0.5	KHz
Operating Voltage	30	Vp-p
Rated Voltage	5.0	Vp-p
Current Consumption (Max)	2.0 at Rated Voltage	mA
Sound Pressure Level (Min)	80 at 10cm at Rated Voltage	dB
Capacitance	48,000 ± 30% at 120 Hz	pF
Operating Temperature	-20 ~ +90	°C
Storage Temperature	-30 ~ +100	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

Piezo Electric Sounder / External Drive (壓電式蜂鳴器 / 他激式)

PT-4532PQ

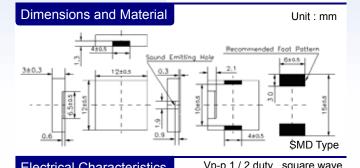


Dimensions and Material Unit: mm Pin Type

Electrical Characteristic	Vp-p 1 / 2 duty , square wave	
Oscillation Frequency	3.0 ± 0.5	Hz
Operating Voltage	3 ~ 50	Vp-p
Rated Voltage	12	Vp-p
Current Consumption (Max)	30 at Rated Voltage	mA
Sound Pressure Level (Min)	100 at 30cm at Rated Voltage	dB
Capacitance	140 ± 30% at 120Hz	pF
Operating Temperature	-40 ~ +105	°C
Storage Temperature	-40 ~ +105	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PT-1240MQ

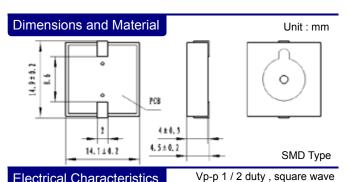




Electrical Characteristics vp-p 172 duty, square wave		
Oscillation Frequency	4.0 ± 0.5	KHz
Operating Voltage	25	Vp-p
Rated Voltage	3.0	Vp-p
Current Consumption (Max)	5 at Rated Voltage	mA
Sound Pressure Level (Min)	75 at 10cm at Rated Voltage	dB
Capacitance	16,000 ± 30% at 120 HZ	pF
Operating Temperature	-20 ~ +100	°C
Storage Temperature	-30 ~ +110	°C
Wave soldering conditions	250 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 + 20 °C / within 5sec	°C

PT-1440MQ

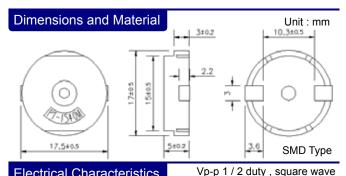




Electrical Characteristic	5 17 2 daty , oquality	, ,,,,,,
Oscillation Frequency	4.0 ± 0.5	KHz
Operating Voltage	20	Vp-p
Rated Voltage	5.0	Vp-p
Current Consumption (Max)	2.0 at Rated Voltage	mA
Sound Pressure Level (Min)	75 at 10cm at Rated Voltage	dB
Capacitance	12000 ± 30% at 120 HZ	pF
Operating Temperature	-30 ~ +90	°C
Storage Temperature	-40 ~ +110	°C
Wave soldering conditions	250 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PT-1540MQ





Electrical Characteristics	vp p 172 daty, oquality	···avo
Oscillation Frequency	4.0 ± 0.5	Hz
Operating Voltage	15	Vp-p
Rated Voltage	5.0	Vp-p
Current Consumption (Max)	1.5 at Rated Voltage	mA
Sound Pressure Level (Min)	80 at 10cm at Rated Voltage	dB

Capacitance 10000 ± 30% at 120 Hz **Soldering Condition** 250 °C / 15sec(max.) **Operating Temperature** -20 ~ +100 Storage Temperature -30 ~ +110 Wave soldering conditions 250 ± 5 °C / within 5sec Manual soldering conditions $350 \pm 20 \, ^{\circ}\text{C}$ / within 5sec

°C

°C

°C

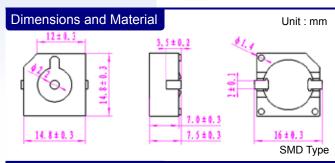
°C

°C

Piezo Electric Sounder / External Drive (壓電式蜂鳴器 / 他激式)

PT-1575BMQ

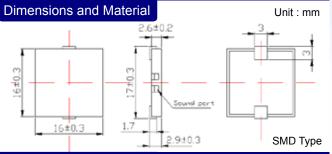




Electrical Characteristics	Vp-p 1 / 2 duty , square	e wave
Oscillation Frequency	3.65 ± 0.5	KHz
Operating Voltage	30	Vp-p
Rated Voltage	7.0	Vp-p
Current Consumption (Max)	5.0 at Rated Voltage	mA
Sound Pressure Level (Min)	85 at 10cm at Rated Voltage	dB
Capacitance	15000 ± 30% at 120 HZ	pF
Operating Temperature	-30 ~ +85	°C
Storage Temperature	-40 ~ +85	°C
Wave soldering conditions	245 ± 5 °C / 1 min	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PT-1628MQ

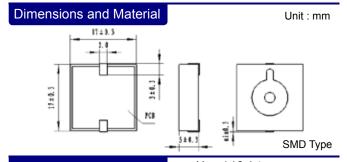




Electrical Characteristics	Vp-p 1 / 2 duty , square wave	
Oscillation Frequency	4.0 ± 0.5	KHz
Operating Voltage	25	Vp-p
Rated Voltage	3.0	Vp-p
Current Consumption (Max)	5 at Rated Voltage	mA
Sound Pressure Level (Min)	75 at 10cm at Rated Voltage	dB
Capacitance	16000 ± 30% at 120 HZ	pF
Operating Temperature	-30 ~ +70	°C
Storage Temperature	-40 ~ +80	°C
Wave soldering conditions	245 ± 5 °C / 1 min	°C
Manual soldering conditions	350 + 20 °C / within 5sec	°C

PT-1740MQ





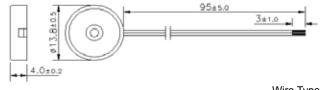
Electrical Characteristics Vp-p 1 / 2 duty, square wave		e wave
Oscillation Frequency	4.0 ± 0.5	KHz
Operating Voltage	1~20	Vp-p
Rated Voltage	5.0	Vp-p
Current Consumption (Max)	2.5 at Rated Voltage	mA
Sound Pressure Level (Min)	80 at 10cm at Rated Voltage	dB
Capacitance	15000 ± 30% at 100 HZ	pF
Operating Temperature	-30 ~ +100	°C
Storage Temperature	-40 ~ +110	°C
Wave soldering conditions	250 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PT-1250WQ



Dimensions and Material

Unit : mm



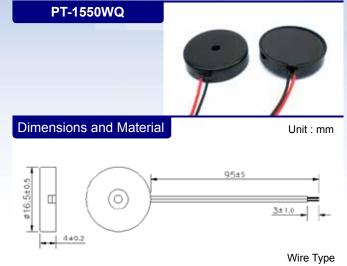
Wire Type

Electrical Characteristics Vp-p 1 / 2 duty , square		e wave
Oscillation Frequency	4.8 ± 0.5	KHz
Operating Voltage	30	Vp-p
Rated Voltage	5.0	Vp-p
Current Consumption (Max)	1.5 at Rated Voltage	mA
Sound Pressure Level (Min)	80 at 10cm at Rated Voltage	dB
Capacitance	15,000 ± 30% at 120 Hz	pF
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

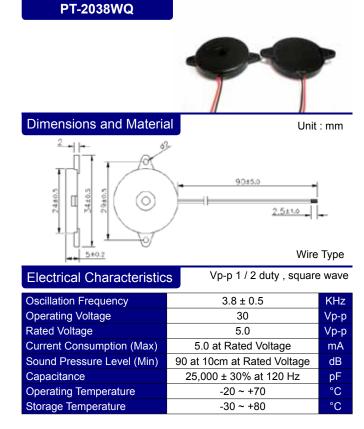
Piezo Electric Sounder / External Drive (壓電式蜂鳴器 / 他激式)

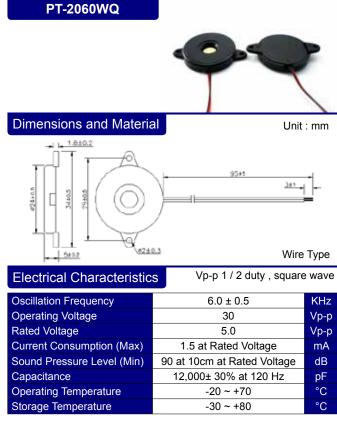


Vp-p 1 / 2 duty , square wave	
5.2 ± 0.4	
30	Vp-p
9.0	
3 at Rated Voltage	mA
80 at 10cm at Rated Voltage	dB
9400 ± 25% at 120 Hz	pF
-20 ~ + 70	°C
-20 ~ +80	°C
	5.2 ± 0.4 30 9.0 3 at Rated Voltage 80 at 10cm at Rated Voltage 9400 ± 25% at 120 Hz -20 ~ +70



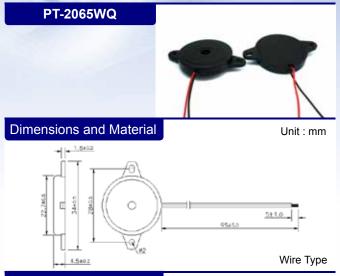
Electrical Characteristics	Vp-p 1 / 2 duty , square wave	
Oscillation Frequency	5.0 ± 0.5 KH	
Operating Voltage	25	Vp-p
Rated Voltage	5.0	
Current Consumption (Max)	1.5 at Rated Voltage	mA
Sound Pressure Level (Min)	80 at 10cm at Rated Voltage	dB
Capacitance	10,000 ± 30% at 120 Hz	pF
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C





Piezo Electric Sounder / External Drive (壓電式蜂鳴器 / 他激式)

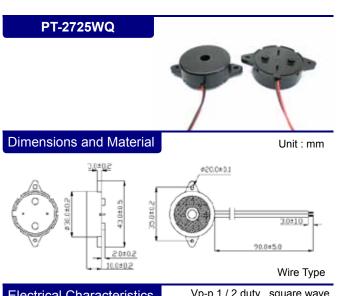
PT-2130WQ



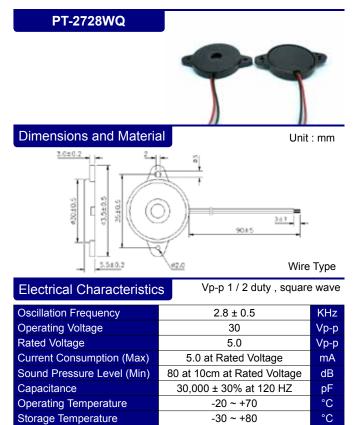
Electrical Characteristic	Vp-p 1 / 2 duty , square wave	
Oscillation Frequency	6.5 ± 0.5	
Operating Voltage	30	Vp-p
Rated Voltage	5.0 V	
Current Consumption (Max)	1.5 at Rated Voltage	
Sound Pressure Level (Min)	90 at 10cm at Rated Voltage	dB
Capacitance	14,000± 30% at 120 Hz	pF
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

Dimensions and Material Unit: mm

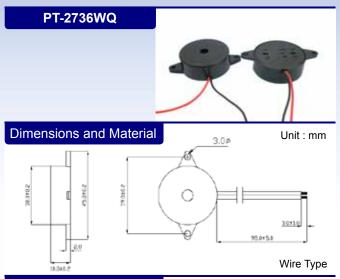
Electrical Characteristic	Vp-p 1 / 2 duty , square wave	
Oscillation Frequency	3.0 ± 0.5	KHz
Operating Voltage	30	Vp-p
Rated Voltage	5.0	
Current Consumption (Max)	3.0 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 10cm at Rated Voltage	dB
Capacitance	20,000 ± 30% at 120 Hz	pF
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	



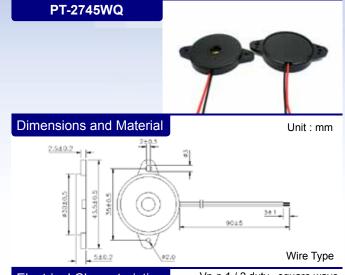
Vp-p 1 / 2 duty , square wave	
2.5 ± 0.5	KHz
30	
5.0	
1.5 at Rated Voltage	mA
90 at 10cm at Rated Voltage	dB
30,000 ± 30% at 120 Hz	pF
-20 ~ + 70	°C
-30 ~ +80	°C
	2.5 ± 0.5 30 5.0 1.5 at Rated Voltage 90 at 10cm at Rated Voltage 30,000 ± 30% at 120 Hz -20 ~ +70



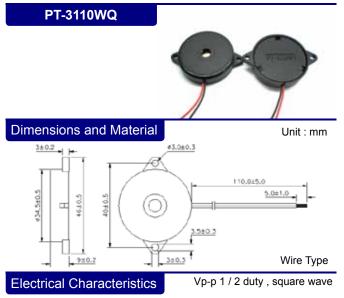
Piezo Electric Sounder / External Drive (壓電式蜂鳴器 / 他激式)



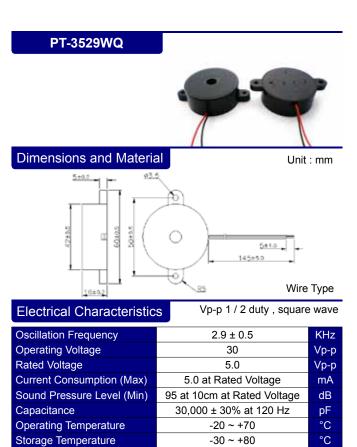
Electrical Characteristic	Vp-p 1 / 2 duty , square v	
Oscillation Frequency	3.5 ± 0.5	KHz
Operating Voltage	30	Vp-p
Rated Voltage	5.0	Vp-p
Current Consumption (Max)	5.0 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 10cm at Rated Voltage	dB
Capacitance	22,000 ± 30% at 120 Hz	pF
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C



Electrical Characteristic	Vp-p 1 / 2 duty , square wave	
Oscillation Frequency	4.5 ± 0.5	
Operating Voltage	30	Vp-p
Rated Voltage	5.0	Vp-p
Current Consumption (Max)	1.5 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 10cm at Rated Voltage	dB
Capacitance	20,000 ± 30% at 120 Hz	pF
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

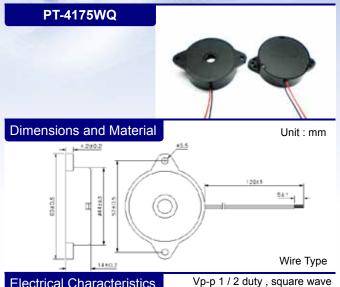


Electrical Characteristics	Vp-p 1 / 2 duty , square wa	
Oscillation Frequency	1.1 ± 0.5	KHz
Operating Voltage	30	Vp-p
Rated Voltage	5.0	Vp-p
Current Consumption (Max)	2.0 at Rated Voltage	mA
Sound Pressure Level (Min)	85 at 10cm at Rated Voltage	dB
Capacitance	48,000 ± 30% at 120 Hz	pF
Operating Temperature	-20 ~ + 70	°C
Storage Temperature	-30 ~ +80	°C



Piezo Electric Sounder / External Drive (壓電式蜂鳴器 / 他激式)

PT-520-SQ



Electrical Characteristics Vp-p 1 / 2 duty, square		e wave
Oscillation Frequency	0.75 ± 0.25	KHz
Operating Voltage	30	Vp-p
Rated Voltage	5.0	Vp-p
Current Consumption (Max)	1.5 at Rated Voltage	mA
Sound Pressure Level (Min)	87 at 10cm at Rated Voltage	dB
Capacitance	70,000 ± 30% at 120Hz	pF
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

Dimensions and Material Unit: mm 120±5 Wire Type 14±0.2

Electrical Characteristic	Vp-p 1 / 2 duty , square wav	
Oscillation Frequency	4.4 ± 0.5	KHz
Operating Voltage	30	Vp-p
Rated Voltage	5.0	Vp-p
Current Consumption (Max)	3.0 at Rated Voltage	mA
Sound Pressure Level (Min)	85 at 10cm at Rated Voltage	dB
Capacitance	18,000 ± 30% at 120 Hz	pF
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

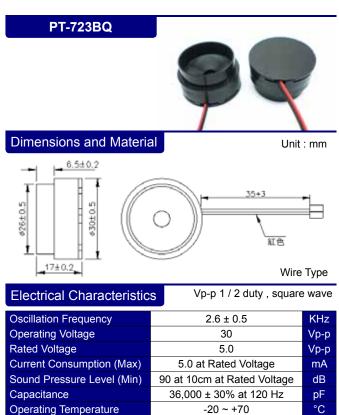


Electrical Characteristics Vp-p 1 / 2 duty, square		wave	
Oscillation Frequency	2.5 ±	KHz	
Operating Voltage	30		Vp-p
Rated Voltage	5.0	V p-p	
Current Consumption (Max)	4.0 47		mA
Sound Pressure Level (Min)	90 at 30cm	105 at 100cm	dB
Capacitance	30,000 ± 30%at 120 Hz		pF
Operating Temperature	-20 ~ +70		°C
Storage Temperature	-30 ~ +80		°C

Wire Type

Operating Temperature

Storage Temperature



-20 ~ +70

-30 ~ +80

°C

Piezo Electric Sounder / Self Drive (壓電式蜂鳴器 / 自激式)

PT-1240FPQ



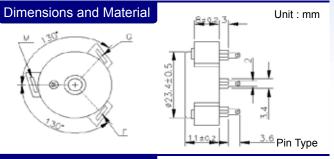
Dimensions and Material Unit: mm

Electrical Characteristics

Oscillation Frequency	4.1 ± 0.5	KHz
Operating Voltage	3 ~ 16	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	10 at Rated Voltage	mΑ
Sound Pressure Level (Min)	70 at 30cm at Rated Voltage	dB
Operating Temperature	-20 ~ +90	°C
Storage Temperature	-30 ~ +100	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PT-2035FPQ





Electrical Characteristics

Oscillation Frequency	3.0 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	10 at Rated Voltage	mA
Sound Pressure Level (Min)	86 at 30cm at Rated Voltage	dB
Operating Temperature	-20 ~ +90	°C
Storage Temperature	-30 ~ +100	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PT-2040FPQ



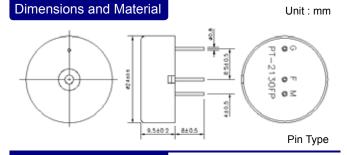
Dimensions and Material		Unit : mm
14.75 14.75 14.75 14.75	9.5±0.5	
\F	11+0,2 6	Pin Type

Electrical Characteristics

Oscillation Frequency	4.0 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	9	Vdc
Current Consumption (Max)	10 at Rated Voltage	mA
Sound Pressure Level (Min)	85 at 30cm at Rated Voltage	dB
Operating Temperature	-20 ~ +90	°C
Storage Temperature	-30 ~ +100	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PT-2130FP-TQ





Oscillation Frequency	3.0 ± 0.5	KHz
Operating Voltage	1.5 ~ 30	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	12 at Rated Voltage	mA
Sound Pressure Level (Min)	80 at 30cm at Rated Voltage	dB
Operating Temperature	-20 ~ +90	°C
Storage Temperature	-30 ~ +100	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

Piezo Electric Sounder / Self Drive (壓電式蜂鳴器 / 自激式)

Piezo Electric Sounder / Self Drive (壓電式蜂鳴器 / 自激式)

Pin Type

PT-2130FPQ



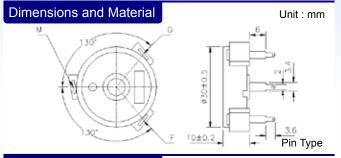
Dimensions and Material Unit: mm

Electrical Characteristics

Oscillation Frequency	3.0 ± 0.5	KHz
Operating Voltage	1.5 ~ 30	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	12 at Rated Voltage	mΑ
Sound Pressure Level (Min)	80 at 30cm at Rated Voltage	dB
Operating Temperature	-20 ~ +90	°C
Storage Temperature	-30 ~ +100	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C
Storage Temperature Wave soldering conditions	-30 ~ +100 260 ± 5 °C / within 5sec	°C

PT-2725FPLQ



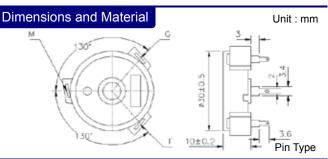


Electrical Characteristics

Oscillation Frequency	2.5 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	10 at Rated Voltage	mA
Sound Pressure Level (Min)	85 at 30cm at Rated Voltage	dB
Operating Temperature	-20 ~ +90	°C
Storage Temperature	-30 ~ +100	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PT-2725FPQ



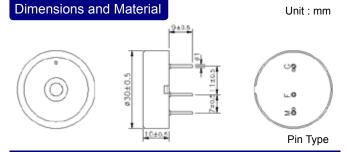


Electrical Characteristics

Oscillation Frequency	2.5 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	10 at Rated Voltage	mA
Sound Pressure Level (Min)	85 at 30cm at Rated Voltage	dB
Operating Temperature	-20 ~ +90	°C
Storage Temperature	-30 ~ +100	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PT-2726FPQ



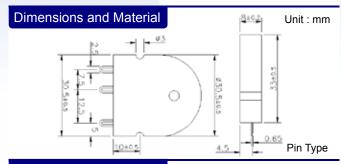


Oscillation Frequency	2.6 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	8 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

Piezo Electric Sounder / Self Drive (壓電式蜂鳴器 / 自激式)

PT-2728FPQ



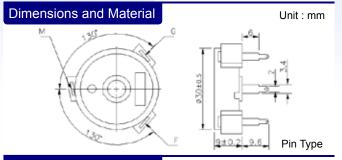


Electrical Characteristics

2.8 ± 0.5	KHz
3 ~ 28	Vdc
12	Vdc
10 at Rated Voltage	mA
85 at 30cm at Rated Voltage	dB
-20 ~ +90	°C
-30 ~ +100	°C
260 ± 5 °C / within 5sec	°C
350 ± 20 °C / within 5sec	°C
	3 ~ 28 12 10 at Rated Voltage 85 at 30cm at Rated Voltage -20 ~ +90 -30 ~ +100 260 ± 5 °C / within 5sec

PT-2735FPLQ



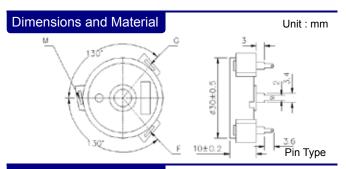


Electrical Characteristics

Oscillation Frequency	3.5 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	10 at Rated Voltage	mA
Sound Pressure Level (Min)	88 at 30cm at Rated Voltage	dB
Operating Temperature	-20 ~ +90	°C
Storage Temperature	-30 ~ +100	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PT-2735FPQ



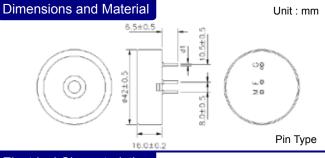


Electrical Characteristics

3.5 ± 0.5	KHz
3 ~ 28	Vdc
12	Vdc
10 at Rated Voltage	mA
88 at 30cm at Rated Voltage	dB
-20 ~ +90	°C
-30 ~ +100	°C
260 ± 5 °C / within 5sec	°C
350 ± 20 °C / within 5sec	°C
	3 ~ 28 12 10 at Rated Voltage 88 at 30cm at Rated Voltage -20 ~ +90 -30 ~ +100 260 ± 5 °C / within 5sec

PT-3529FPQ





Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	8.0 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Operating Temperature	-20 ~ +90	°C
Storage Temperature	-30 ~ +100	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

Piezo Electric Sounder / Self Drive (壓電式蜂鳴器 / 自激式)

PT-3534FPQ



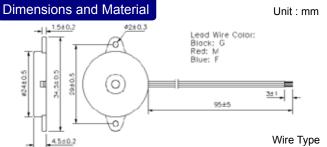
Dimensions and Material Unit:mm

Electrical Characteristics

Oscillation Frequency	3.4 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	9.0	Vdc
Current Consumption (Max)	12 at Rated Voltage	mA
Sound Pressure Level (Min)	105 at 10cm at Rated Voltage	dB
Operating Temperature	-20 ~ +100	°C
Storage Temperature	-30 ~ +110	°C

PT-2038FWQ





Electrical Characteristics

Oscillation Frequency	3.8 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	8.0 at Rated Voltage	mA
Sound Pressure Level (Min)	85 at 30cm at Rated Voltage	dB
Operating Temperature	-20 ~ + 70	°C
Storage Temperature	-30 ~ +80	°C

Dimensions and Material Unit: mm Lead Wire Color: Block: 0 Blue: F

Electrical Characteristics

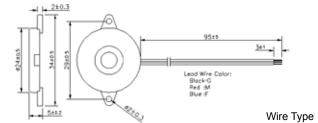
Oscillation Frequency	4.5 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	8.0 at Rated Voltage	mA
Sound Pressure Level (Min)	85 at 30cm at Rated Voltage	dB
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

PT-2060FWQ



Dimensions and Material

Unit : mm



Electrical Characteristics

Wire Type

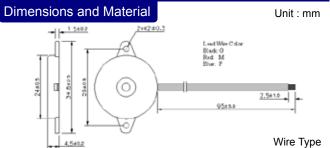
Oscillation Frequency	5.0 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	8.0 at Rated Voltage	mA
Sound Pressure Level (Min)	85 at 30cm at Rated Voltage	dB
Operating Temperature	-20 ~ +7 0	°C
Storage Temperature	-30 ~ +80	°C

Wire Type

HITPOINT INC.

Piezo Electric Sounder / Self Drive (壓電式蜂鳴器 / 自激式)

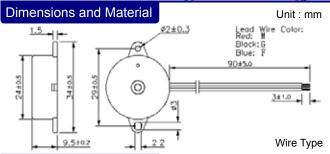




Electrical Characteristics

Oscillation Frequency	6.0 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	8.0 at Rated Voltage	mA
Sound Pressure Level (Min)	85 at 30cm at Rated Voltage	dB
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C





Electrical Characteristics

Oscillation Frequency	3.0 ± 0.5	KHz
Operating Voltage	1.5 ~ 30	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	12 at Rated Voltage	mA
Sound Pressure Level (Min)	80 at 30cm at Rated Voltage	dB
Operating Temperature	-20 ~ +90	°C
Storage Temperature	-30 ~ +100	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

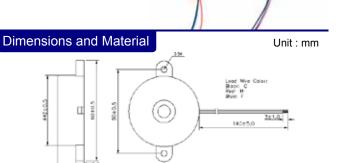


Lead Wre Color: Black: G Red: M Blue: F Wire Type

Electrical Characteristics

	-	
Oscillation Frequency	2.6 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	8 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C
Operating Temperature	-20 ~ +70	

PT-3529FWQ



2.9 ± 0.5	KHz
3 ~ 28	Vdc
12	Vdc
80 at Rated Voltage	mA
90 at 30cm at Rated Voltage	dB
-20 ~ +70	°C
-30 ~ +80	°C
	3 ~ 28 12 80 at Rated Voltage 90 at 30cm at Rated Voltage -20 ~ +70

Piezo Electric Buzzer / DC Type (壓電式蜂鳴器 / 自激式)

PK-12N40PAQ



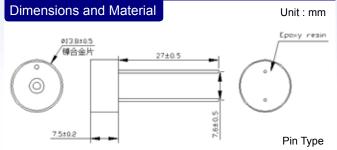
Dimensions and Material Unit: mm

Electrical Characteristics

Oscillation Frequency	4.1 ± 0.5	KHz
Operating Voltage	3 ~ 15	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	10 at Rated Voltage	mA
Sound Pressure Level (Min)	83 at 10cm at Rated Voltage	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +90	°C
Storage Temperature	-30 ~ +100	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PK-12N40PE-T27Q



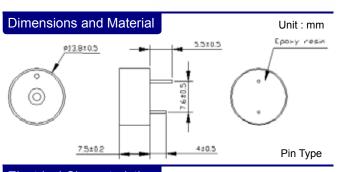


Electrical Characteristics

Oscillation Frequency	4.1 ± 0.5	KHz
Operating Voltage	3 ~ 15	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	10 at Rated Voltage	mA
Sound Pressure Level (Min)	83 at 10cm at Rated Voltage	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +100	°C
Storage Temperature	-30 ~ +110	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PK-12N40PE-TQ



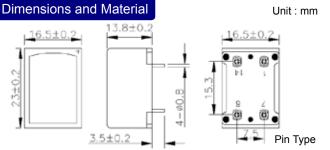


Electrical Characteristics

Oscillation Frequency	4.1 ± 0.5	KHz
Operating Voltage	3 ~ 15	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	10 at Rated Voltage	mA
Sound Pressure Level (Min)	83 at 10cm at Rated Voltage	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +90	°C
Storage Temperature	-30 ~ +100	°C
Wave soldering conditions	245±5 °C for 3 ± 0.5 seconds	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PK-16N04P-06VQ





Oscillation Frequency	0.4 ±0.1	KHz
Operating Voltage	3.0 ~ 8.0	Vdc
Rated Voltage	6.0	Vdc
Current Consumption (Max)	50 at Rated Voltage	mA
Sound Pressure Level (Min)	70 at 20cm at Rated Voltage	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ + 70	°C
Storage Temperature	-30 ~ +80	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

Piezo Electric Buzzer / DC Type (壓電式蜂鳴器 / 自激式)

PK-20A25PQ



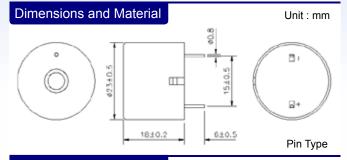
Unit : mm

Electrical Characteristics

Oscillation Frequency	2.5 ± 0.5	KHz
Operating Voltage	3 ~ 24	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	25 at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C
Mariaar coldering containers	000 ± 20 ° 07 William 0000	Ū

PK-20N38PQ



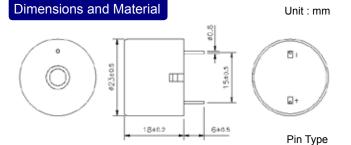


Electrical Characteristics

Oscillation Frequency	3.8 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	12 at Rated Voltage	mA
Sound Pressure Level (Min)	85 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PK-20A38PQ





Electrical Characteristics

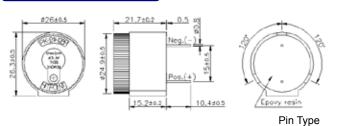
Oscillation Frequency	3.8 ± 0.5	KHz
Operating Voltage	3 ~ 24	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	15 at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PK-21H28PQ



Unit: mm

Dimensions and Material



Oscillation Frequency	2.8 ±0.5	KHz
Operating Voltage	9.0 ~ 12	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	50 at Rated Voltage	mA
Sound Pressure Level (Min)	96 at 2ft at Rated Voltage	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +90	°C
Storage Temperature	-30 ~ +100	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

Piezo Electric Buzzer / DC Type (壓電式蜂鳴器 / 自激式)

PK-21A29PQ





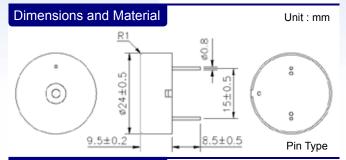
Dimensions and Material Unit: mm Ø24±0.5 0 13.5±0.2 8.5±0.5 Pin Type

Electrical Characteristics

KHz
Vdc
Vdc
mA
e dB
Hz
°C
°C
°C
°C

PK-21N30PQ





Electrical Characteristics

Oscillation Frequency	3.0 ± 0.5	KHz
Operating Voltage	1.5 ~ 30	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	12 at Rated Voltage	mA
Sound Pressure Level (Min)	80 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +90	°C
Storage Temperature	-30 ~ +100	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PK-21N30PMQ



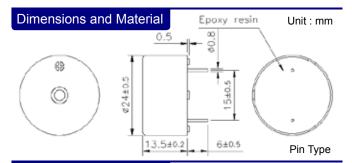
Dimensions and Material		Unit : mm
9.5±0.2	8.5±0.5	Pin Type

Electrical Characteristics

Oscillation Frequency	3.0 ± 0.5	KHz
Operating Voltage	1.5 ~ 30	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	12 at Rated Voltage	mA
Sound Pressure Level (Min)	80 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +90	°C
Storage Temperature	-30 ~ +100	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PK-21N31PQ



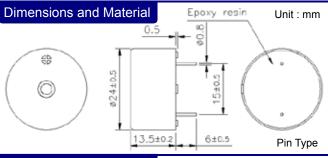


Oscillation Frequency	3.0 ± 0.5	KHz
Operating Voltage	1.5 ~ 30	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	12 at Rated Voltage	mA
Sound Pressure Level (Min)	80 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +90	°C
Storage Temperature	-30 ~ +100	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

Piezo Electric Buzzer / DC Type (壓電式蜂鳴器 / 自激式)

PK-21A31PQ



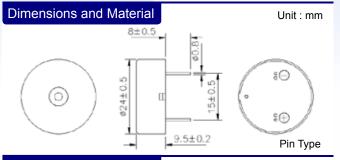


Electrical Characteristics

Oscillation Frequency	3.0 ± 0.5	KHz
Operating Voltage	3.0 ~ 24	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	18 at Rated Voltage	mA
Sound Pressure Level (Min)	85 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +90	°C
Storage Temperature	-30 ~ +100	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PK-21N35PQ



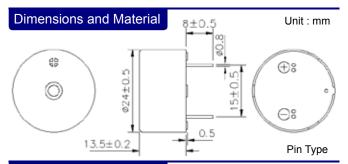


Electrical Characteristics

Oscillation Frequency	3.5 ± 0.5	KHz
Operating Voltage	1.5 ~ 30	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	12 at Rated Voltage	mA
Sound Pressure Level (Min)	80 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +90	°C
Storage Temperature	-30 ~ +100	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PK-21A35PQ



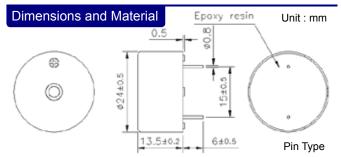


Electrical Characteristics

Oscillation Frequency	3.5 ± 0.5	KHz
Operating Voltage	3 ~ 24	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	18 at Rated Voltage	mA
Sound Pressure Level (Min)	85 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +90	°C
Storage Temperature	-30 ~ +100	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PK-21A36PQ





Oscillation Frequency	3.5 ± 0.5	KHz
Operating Voltage	3 ~ 24	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	18 at Rated Voltage	mA
Sound Pressure Level (Min)	85 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +90	°C
Storage Temperature	-30 ~ +100	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

Piezo Electric Buzzer / DC Type (壓電式蜂鳴器 / 自激式)

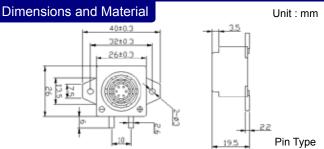
PK-26N04P-12AQ

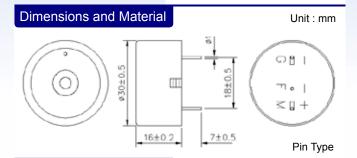


PK-26N04P-06AQ 6 V

PK-27N25PQ







Electrical Characteristics

Oscillation Frequency	0.3 ~ 0.5	KHz
Operating Voltage	8 ~ 14	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	45 at Rated Voltage	mA
Sound Pressure Level (Min)	80 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C
Manual soldering conditions	$350 \pm 20 ^{\circ}\text{C}$ / within 5sec	°C

Electrical Characteristics

Oscillation Frequency	2.5 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	8 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PK-27A25PQ

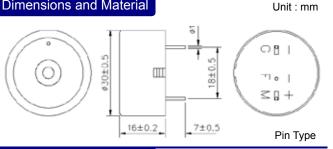




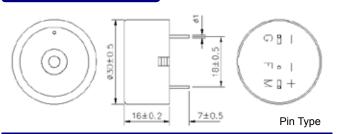


Unit: mm

Dimensions and Material



Dimensions and Material



Electrical Characteristics

Oscillation Frequency	2.5 ± 0.5	KHz
Operating Voltage	3 ~ 24	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	10 at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

Electrical Characteristic		
Oscillation Frequency	2.5 ± 0.5	KHz
Operating Voltage	3 ~ 20	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	18 at Rated Voltage	mA
Sound Pressure Level (Min)	100 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +7 0	°C
Storage Temperature	-30 ~ +80	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

Piezo Electric Buzzer / DC Type (壓電式蜂鳴器 / 自激式)

PK-27N26PQ



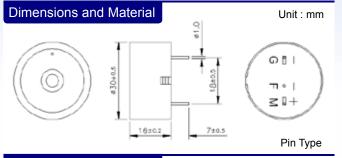
Dimensions and Material Unit : mm

Electrical Characteristics

Oscillation Frequency	2.5 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	15 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PK-27N35PQ



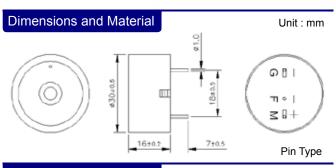


Electrical Characteristics

Oscillation Frequency	3.5 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	15 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PK-27A35PQ



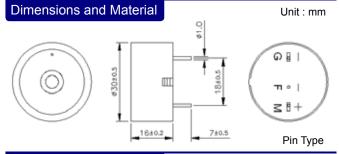


Electrical Characteristics

3.5 ± 0.5	KHz
3 ~ 24	Vdc
12	Vdc
15 at Rated Voltage	mA
95 at 30cm at Rated Voltage	dB
Constant	Hz
-20 ~ +70	°C
-30 ~ +80	°C
350 ± 20 °C / within 5sec	°C
	3 ~ 24 12 15 at Rated Voltage 95 at 30cm at Rated Voltage Constant -20 ~ +70 -30 ~ +80

PK-27H35PQ





Oscillation Frequency	3.5 ± 0.5	KHz
Operating Voltage	3 ~ 20	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	18 at Rated Voltage	mA
Sound Pressure Level (Min)	100 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PK-27N36PQ



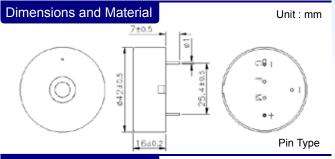
Dimensions and Material Unit : mm

Electrical Characteristics

3.5 ± 0.5	KHz
3 ~ 28	Vdc
12	Vdc
15 at Rated Voltage	mA
90 at 30cm at Rated Voltage	dB
Constant	Hz
-20 ~ +90	°C
-30 ~ +100	°C
260 ± 5 °C / within 5sec	°C
350 ± 20 °C / within 5sec	°C
	3 ~ 28 12 15 at Rated Voltage 90 at 30cm at Rated Voltage Constant -20 ~ +90 -30 ~ +100 260 ± 5 °C / within 5sec

PK-35N29PQ





Electrical Characteristics

Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	8 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +90	°C
Storage Temperature	-30 ~ +100	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PK-27N29EPQ

PK-27N29EP-24VQ 24 V PK-27N29EP-48VQ 48 V PK-27N29EP-110VQ 110 V



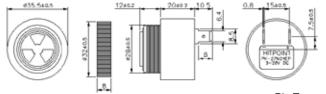
PK-27A29EPQ



Unit: mm

Dimensions and Material

Unit: mm

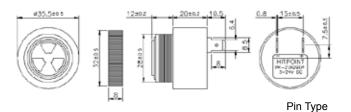


Pin Type

Electrical Characteristics

Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	8 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +7 0	°C
Storage Temperature	-30 ~ +80	°C

Dimensions and Material



Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage	3 ~ 24	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	10 at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

Piezo Electric Buzzer / DC Type (壓電式蜂鳴器 / 自激式)

PK-27N29ERQ

PK-27N29ER-48VQ 48 V



Dimensions and Material Unit: mm Pin Type

Electrical Characteristics

Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	15 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm 85 Over table 20cm	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +7 0	°C
Storage Temperature	-30 ~ +80	°C

PK-27A29ERQ



Dimensions and Material	Unit : mm
655 date 2	1907 100 100 100 100 100 100 100 100 100 1
(Servic Year)	Pin Type

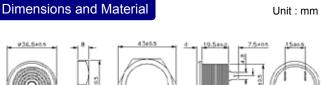
Electrical Characteristics

Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage	3 ~ 24	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	10 at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

PK-27N35EPQ



Unit: mm

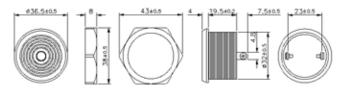


Pin Type

PK-27N35ERQ



Dimensions and Material



Pin Type

Unit: mm

Electrical Characteristics

Oscillation Frequency	3.5 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	15 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

Oscillation Frequency	3.5 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	15 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +7 0	°C
Storage Temperature	-30 ~ +80	°C

PK-27A35EPQ



PK-27A35ERQ

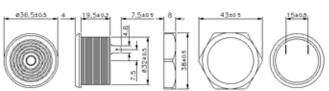
Dimensions and Material



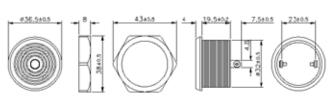
Dimensions and Material

Unit: mm

Pin Type



Unit: mm



Pin Type

Electrical Characteristics

Oscillation Frequency	3.5 ± 0.5	KHz
Operating Voltage	3 ~ 24	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	15 at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

Electrical Characteristics

Oscillation Frequency	3.5 ± 0.5	KHz
Operating Voltage	3 ~ 24	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	15 at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

PK-35N29EPQ

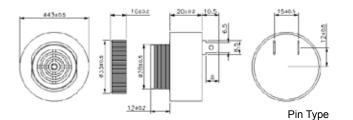


PK-35N29ERQ



Dimensions and Material

Unit: mm



Dimensions and Material

8:10.5

Pin Type

Unit: mm

Electrical Characteristics

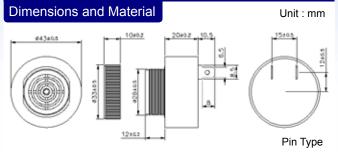
Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	8 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +7 0	°C
Storage Temperature	-30 ~ +80	°C

Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	8 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

Piezo Electric Buzzer / DC Type (壓電式蜂鳴器 / 自激式)

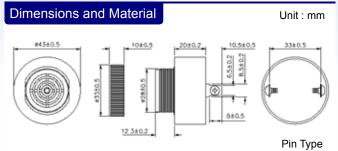
PK-35A29EPQ





PK-35A29ERQ





Electrical Characteristics

2.9 ± 0.5	KHz
3 ~ 24	Vdc
12	Vdc
10 at Rated Voltage	mA
95 at 30cm at Rated Voltage	dB
Constant	Hz
-20 ~ +70	°C
-30 ~ +80	°C
	3 ~ 24 12 10 at Rated Voltage 95 at 30cm at Rated Voltage Constant -20 ~ +70

Electrical Characteristics

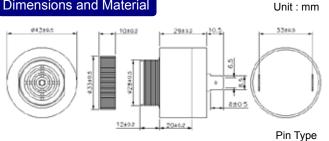
Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage	3 ~ 24	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	10 at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

PK-620HNQ

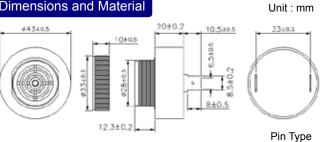


PK-625HNQ

Dimensions and Material



Dimensions and Material



Electrical Characteristics

Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage (Vdc/ac)	60 ~ 250	V
Rated Voltage (Vdc/ac)	220	V
Current Consumption (Max)	25 at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage	13 ~ 24	Vdc
Rated Voltage	24	Vdc
Current Consumption (Max)	10 at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

Unit: mm

PK-16N04W-06VQ

PK-16N04W-03VQ 3 12 24 PK-16N04W-12VQ PK-16N04W-24VQ



Dimensions and Material

10045 Wire Type

Electrical Characteristics

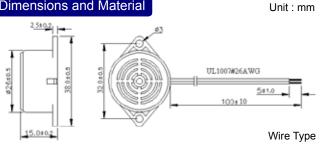
Oscillation Frequency	0.4 ± 0.1	KHz
Operating Voltage	4.0 ~ 8.0	Vdc
Rated Voltage	6.0	Vdc
Current Consumption (Max)	30 at Rated Voltage	mA
Sound Pressure Level (Min)	85 at 10cm at Rated Voltage	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PK-26N04W-24VQ

PK-26N04W-12VQ 12 V



Dimensions and Material



Electrical Characteristics

Oscillation Frequency	0.4 ± 0.1	KHz
Operating Voltage	20 ~ 28	Vdc
Rated Voltage	24	Vdc
Current Consumption (Max)	25 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

PK-20A25WQ



Dimensions and Material

 (\bigcirc) 5#1.0 160±5.0 Wire Type

Electrical Characteristics

Oscillation Frequency	2.5 ± 0.5	KHz
Operating Voltage	3 ~ 24	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	25 at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage 85 at 10cm at 3.3 Vdc	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

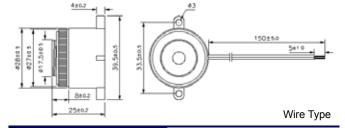
PK-20A35EWQ

PK-20A35EW-24VQ 24



Dimensions and Material

Unit: mm

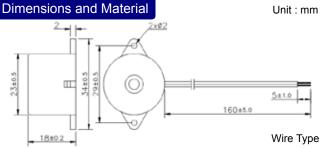


Oscillation Frequency	3.5 ± 0.5	KHz
Operating Voltage	3 ~ 24	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	10 at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

Piezo Electric Buzzer / DC Type (壓電式蜂鳴器 / 自激式)

PK-20N38WQ





Electrical Characteristics

3.8 ± 0.5	KHz
3 ~ 28	Vdc
12	Vdc
12 at Rated Voltage	mA
85 at 30cm at Rated Voltage	dB
Constant	Hz
-20 ~ +70	°C
-30 ~ +80	°C
	3 ~ 28 12 12 at Rated Voltage 85 at 30cm at Rated Voltage Constant -20 ~ +70

PK-21A29WQ



Dimensions and Material	Unit : mm
2±0.2 047 047 050 13.5±0.2 0.3	130±5.0 5±1.0 Wire Type

Electrical Characteristics

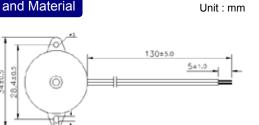
Oscillation Frequency	3.0 ± 0.5	KHz
Operating Voltage	3 ~ 24	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	18 at Rated Voltage	mA
Sound Pressure Level (Min)	85 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

PK-21A35WQ



Wire Type

Dimensions and Material



Electrical Characteristics

Oscillation Frequency	3.5 ± 0.5	KHz
Operating Voltage	3 ~ 24	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	18 at Rated Voltage	mA
Sound Pressure Level (Min)	85 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

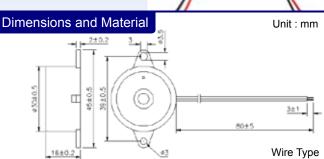
PK-21N30WQ



1.5 9.5±0.2 1.40±5.0 1.40±5.0 Wire Type

Oscillation Frequency	3.0 ± 0.5	KHz
Operating Voltage	1.5 ~ 30	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	12 at Rated Voltage	mA
Sound Pressure Level (Min)	80 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +7 0	°C
Storage Temperature	-30 ~ +80	°C

PK-27A25WQ Thensions and Material Unit: mm

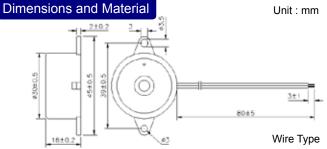


Electrical Characteristics

Oscillation Frequency	2.5 ± 0.5	KHz
0 " 1/"		
Operating Voltage	3 ~ 24	Vdc
Rated Voltage	12	Vdc
Traica voltage	12	vuc
Current Consumption (Max)	10 at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
	·	
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

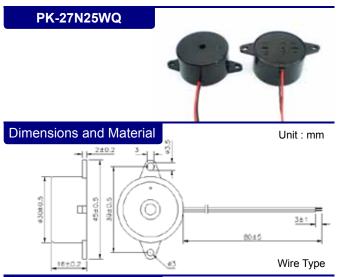
PK-27H25WQ





Electrical Characteristics

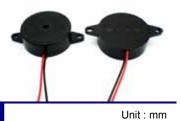
Oscillation Frequency	2.5 ± 0.5	KHz
Operating Voltage	3 ~ 20	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	18 at Rated Voltage	mA
Sound Pressure Level (Min)	100 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C



Electrical Characteristics

Oscillation Frequency	2.5 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	8 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

PK-27N26WQ



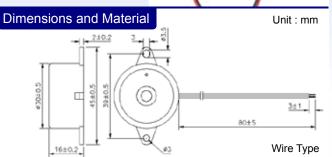
Wire Type

Dimensions and Material Unit: mm

Oscillation Frequency	2.5 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	15 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

Piezo Electric Buzzer / DC Type (壓電式蜂鳴器 / 自激式)





Dimensions and Material Unit: mm 80008 Wire Type

Electrical Characteristics

Oscillation Frequency	3.5 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	15 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

Electrical Characteristics

PK-35A29WQ

PK-35A29W-5VQ PK-35A29W-24VQ

Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage	3 ~ 24	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	10 at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C





Electrical Characteristics

Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage	3 ~ 18	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	30 at Rated Voltage	mA
Sound Pressure Level (Min)	100 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

Oscillation Frequency	2.9 ±0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	10 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

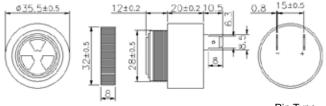
Piezo Electric Buzzer / AC / DC Type (壓電式蜂鳴器 / 自激式)

PK-27N29EP-110VQ



Dimensions and Material Unit: mm

Pin Type

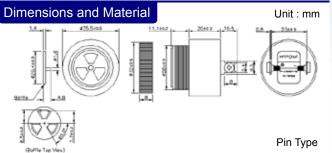


Electrical Characteristics

2.9 ± 0.5	KHz
30~120	Vdc
110	Vdc
20 at Rated Voltage	mA
90 at 30cm at Rated Voltage	dB
Constant	Hz
-20 ~ +70	°C
-30 ~ +80	°C
	30~120 110 20 at Rated Voltage 90 at 30cm at Rated Voltage Constant -20 ~ +70

PK-27N29ER-48VQ





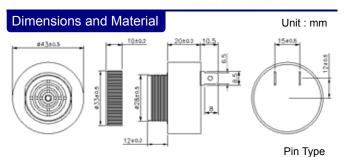
Electrical Characteristics

Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage	12~ 50	Vdc
Operating voltage	12 30	vuc
Rated Voltage	48	Vdc
Current Consumption (Max)	20 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

PK-35N29EP-24Q

PK-35N29EP-220SQ





Electrical Characteristics

Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage (Vdc/ac)	6 ~ 28	V
Rated Voltage (Vdc/ac)	24	V
Current Consumption (Max)	18 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +7 0	°C
Storage Temperature	-30 ~ +80	°C

PK-35N29ER-24VQ

PK-35N29ER-220SQ 220



Unit: mm

Pin Type

Dimensions and Material

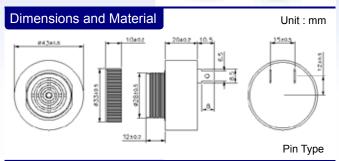
33±0.5

Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage (Vdc/ac)	6 ~ 28 (AC/DC)	V
Rated Voltage (Vdc/ac)	24	V
Current Consumption (Max)	18 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

Piezo Electric Buzzer / AC / DC Type (壓電式蜂鳴器 / 自激式)

PK-35A29EP-24Q

PK-35A29EP-110VQ 110 V PK-35A29EP-220SQ 220 V



PK-35A29ER-24VQ

PK-35A29ER-220SQ 220 V



Dimensions and Material	Unit : mm
943±0.5	20±0.2 105±0.5 105±
	Pin Type

Electrical Characteristics

Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage (Vdc/ac)	6 ~ 28	V
Rated Voltage (Vdc/ac)	24	V
Current Consumption (Max)	18 at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

Electrical Characteristics

Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage	6 ~ 28	Vdc
Rated Voltage	24	Vdc
Current Consumption (Max)	18 at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +7 0	°C
Storage Temperature	-30 ~ +80	°C

PK-35N29ER-48VQ

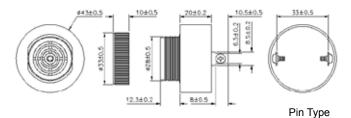


PK-35A29EP-220SQ



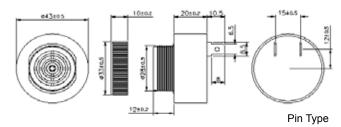
Dimensions and Material

Unit : mm



Dimensions and Material

Unit : mm



Electrical Characteristics

Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage	9 ~ 48	Vdc
Rated Voltage	48	Vdc
Current Consumption (Max)	30 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C
·		

Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage (Vdc/ac)	60 ~ 250	V
Rated Voltage (Vdc/ac)	220	V
Current Consumption (Max)	25 at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

PF-20A25PQ



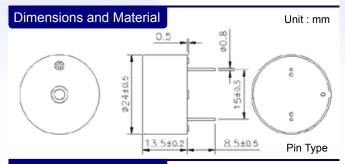
Dimensions and Material Unit: mm

Electrical Characteristics

Oscillation Frequency	2.5 ± 0.5	KHz
Operating Voltage	3 ~ 24	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	18 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Fast Pulse 3.0 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PF-21A29PQ





Electrical Characteristics

Oscillation Frequency	3.0 ± 0.5	KHz
Operating Voltage	3.0 ~ 24	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	18 at Rated Voltage	mA
Sound Pressure Level (Min)	85 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Fast Pulse 3.0 ± 20%	Hz
Operating Temperature	-20 ~ +90	°C
Storage Temperature	-30 ~ +100	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PF-21N30PQ



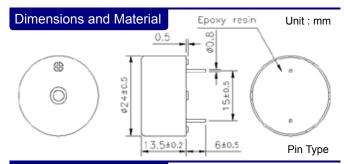
Dimensions and Material	Unit : mm
9.5±0.2 9.5±0.2	Pin Type

Electrical Characteristics

Oscillation Frequency	3.0 ± 0.5	KHz
Operating Voltage	3 ~ 30	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	12 at Rated Voltage	mA
Sound Pressure Level (Min)	80 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Fast Pulse 3.0 ± 20%	Hz
Operating Temperature	-20 ~ +90	°C
Storage Temperature	-30 ~ +100	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PF-21A31PQ





Oscillation Frequency	3.0 ± 0.5	KHz
Operating Voltage	3.0 ~ 24	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	18 at Rated Voltage	mA
Sound Pressure Level (Min)	85 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Fast Pulse 3.0 ± 20%	Hz
Operating Temperature	-20 ~ +90	°C
Storage Temperature	-30 ~ +100	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

Piezo Electric Buzzer / DC Type (壓電式蜂鳴器 / 自激式)

PF-21A35P-12VQ



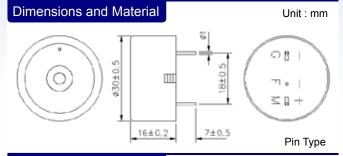
Dimensions and Material 8.5±0.5 Unit: mm Pin Type

Electrical Characteristics

Oscillation Frequency	3.5 ±0.5	KHz
Operating Voltage	3.0 ~ 24	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	3 at 4 / 12 at 14	mA
Sound Pressure Level (Min)	80 at 2ft at 4 / 92 at 2ft at 14	dB
Tone / Pulse Rate	Fast Pulse	Hz
Operating Temperature	-20 ~ +90	°C
Storage Temperature	-30 ~ +100	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PF-27N25PQ



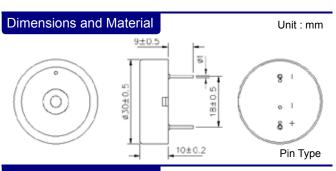


Electrical Characteristics

Oscillation Frequency	2.5 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	15 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Fast Pulse 3.0 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PF-27N26PQ



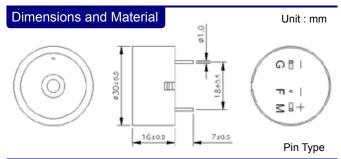


Electrical Characteristics

Oscillation Frequency	2.5 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	15 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Fast Pulse 3.0 ± 0.5	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PF-27N35PQ





Oscillation Frequency	3.5 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	15 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Fast Pulse 3.0 ± 20%	Hz
Operating Temperature	-20 ~ + 70	°C
Storage Temperature	-30 ~ +80	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PF-27A35PQ



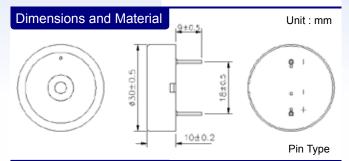
Dimensions and Material Unit:mm O B I To I A D H Pin Type

Electrical Characteristics

3.5 ± 0.5	KHz
3 ~ 24	Vdc
12	Vdc
15 at Rated Voltage	mA
95 at 30cm at Rated Voltage	dB
Fast Pulse 3.0 ± 20%	Hz
-20 ~ +70	°C
-30 ~ +80	°C
350 ± 20 °C / within 5sec	°C
	3 ~ 24 12 15 at Rated Voltage 95 at 30cm at Rated Voltage Fast Pulse 3.0 ± 20% -20 ~ +70 -30 ~ +80

PF-27N36PQ





Electrical Characteristics

Oscillation Frequency	3.5 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	15 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Fast Pulse 3.0 ± 20%	Hz
Operating Temperature	-20 ~ +90	°C
Storage Temperature	-30 ~ +100	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PF-35A29PQ



Dimensions and Material Unit: mm

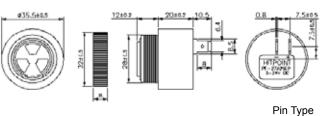
Electrical Characteristics

Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage	3 ~ 24	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	10 at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Fast Pulse 3.0 ± 20%	Hz
Operating Temperature	-20 ~ +90	°C
Storage Temperature	-30 ~ +100	°C
Wave soldering conditions	260 ± 5 °C / within 5 sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PF-27N29EPQ



Dimensions and Material



1 1111

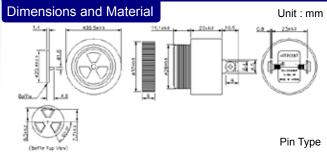
Unit: mm

Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	8 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Fast Pulse 3.0 ± 20%	Hz
Operating Temperature	-20 ~ +7 0	°C
Storage Temperature	-30 ~ +80	°C

Piezo Electric Buzzer / DC Type (壓電式蜂鳴器 / 自激式)

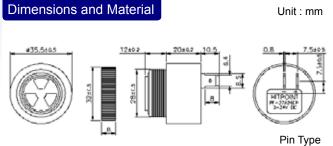
PF-27N29ERQ





PF-27A29EPQ





Electrical Characteristics

2.9 ± 0.5	KHz
3 ~ 28	Vdc
12	Vdc
15 at Rated Voltage	mA
90 at 30cm at Rated Voltage	dB
Fast Pulse 3.0 ± 20%	Hz
-20 ~ +70	°C
-30 ~ +80	°C
	3 ~ 28 12 15 at Rated Voltage 90 at 30cm at Rated Voltage Fast Pulse 3.0 ± 20% -20 ~ +70

Electrical Characteristics

Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage	3 ~ 24	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	10 at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Fast Pulse 3.0 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

PF-27A29ERQ



Dimensions and Material	Unit : mm
135.5cm	0) 3 of 100 100 100 100 100 100 100 100 100 10
(Bome Top Vew)	Pin Type

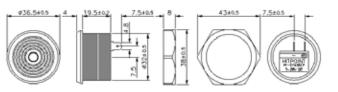
Electrical Characteristics

2.9 ± 0.5	KHz
3 ~ 24	Vdc
12	Vdc
10 at Rated Voltage	mA
95 at 30cm at Rated Voltage	dB
Fast Pulse 3.0 ± 20%	Hz
-20 ~ +70	°C
-30 ~ +80	°C
	3 ~ 24 12 10 at Rated Voltage 95 at 30cm at Rated Voltage Fast Pulse 3.0 ± 20% -20 ~ +70

PF-27N35EPQ



Dimensions and Material



Pin Type

Unit: mm

Oscillation Frequency	3.5 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	15 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Fast Pulse 3.0 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

Piezo Electric Buzzer / DC Type (壓電式蜂鳴器 / 自激式)

PF-27N35ERQ

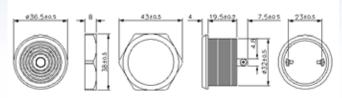


PF-27A35EPQ



Dimensions and Material

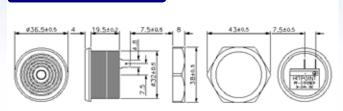
Unit: mm



Pin Type

Dimensions and Material

Unit: mm



Pin Type

Electrical Characteristics

Oscillation Frequency	3.5 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	15 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Fast Pulse 3.0 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

Electrical Characteristics

Oscillation Frequency	3.5 ± 0.5	KHz
Operating Voltage	3 ~ 24	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	15 at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Fast Pulse 3.0 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

PF-27A35ERQ



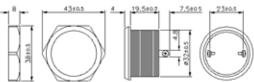
Unit: mm

PF-35N29EPQ



Unit: mm

Dimensions and Material



Pin Type

Dimensions and Material

Pin Type

Electrical Characteristics

Oscillation Frequency	3.5 ± 0.5	KHz
Operating Voltage	3 ~ 24	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	15 at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Fast Pulse 3.0 ± 20%	Hz
Operating Temperature	-20 ~ +7 0	°C
Storage Temperature	-30 ~ +80	°C

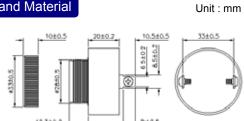
Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	8 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Fast Pulse 3.0 ± 20%	Hz
Operating Temperature	-20 ~ +7 0	°C
Storage Temperature	-30 ~ +80	°C

Piezo Electric Buzzer / DC Type (壓電式蜂鳴器 / 自激式)

PF-35N29ERQ



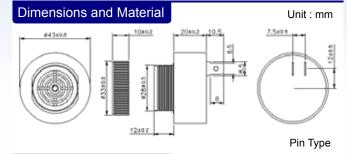
Dimensions and Material



Pin Type

PF-35A29EPQ





Electrical Characteristics

2.9 ± 0.5	KHz
3 ~ 28	Vdc
12	Vdc
8 at Rated Voltage	mA
90 at 30cm at Rated Voltage	dB
Fast Pulse 3.0 ± 20%	Hz
-20 ~ +70	°C
-30 ~ +80	°C
	3 ~ 28 12 8 at Rated Voltage 90 at 30cm at Rated Voltage Fast Pulse 3.0 ± 20% -20 ~ +70

Electrical Characteristics

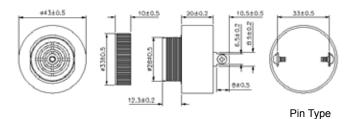
Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage	3 ~ 24	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	10 at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Fast Pulse 3.0 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

PF-35A29ERQ



Unit: mm

Dimensions and Material

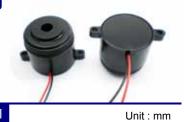


Electrical Characteristics

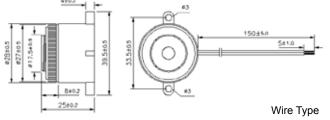
Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage	3 ~ 24	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	10 at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Fast Pulse 3.0 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

PF-20A35EWQ

PF-20A35EW-24VQ 24 V



Dimensions and Material



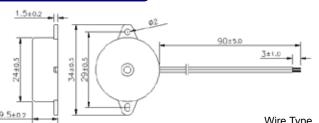
Oscillation Frequency	3.5 ± 0.5	KHz
Operating Voltage	3 ~ 24	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	10 at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Fast Pulse 3.0 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

PF-21N30WQ



Dimensions and Material Unit: mm

Wire Type

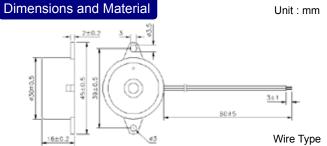


Electrical Characteristics

Oscillation Frequency	3.0 ± 0.5	KHz
Operating Voltage	3 ~ 30	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	12 at Rated Voltage	mA
Sound Pressure Level (Min)	80 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Fast Pulse 3.0 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

PF-27N25WQ





Electrical Characteristics

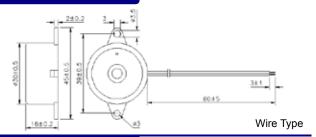
Oscillation Frequency	2.5 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	15 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Fast Pulse 3.0 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

PF-27A25WQ



Dimensions and Material

Unit: mm



Electrical Characteristics

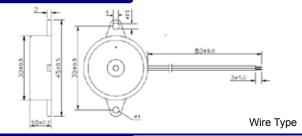
Oscillation Frequency	2.5 ± 0.5	KHz
Operating Voltage	3 ~ 24	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	15 at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Fast Pulse 3.0 ± 20%	Hz
Operating Temperature	-20 ~ +7 0	°C
Storage Temperature	-30 ~ +80	°C

PF-27N26WQ



Dimensions and Material

Unit: mm



Oscillation Frequency	2.5 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	15 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Fast Pulse 3.0 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

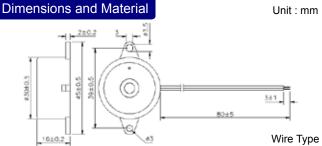
Wire Type

HITPOINT INC.

Piezo Electric Buzzer / DC Type (壓電式蜂鳴器 / 自激式)

PF-27A35WQ





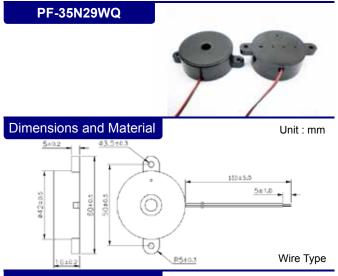
Electrical Characteristics

Oscillation Frequency	3.5 ± 0.5	KHz
Operating Voltage	3 ~ 24	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	15 at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Fast Pulse 3.0 ±20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

Dimensions and Material Unit: mm

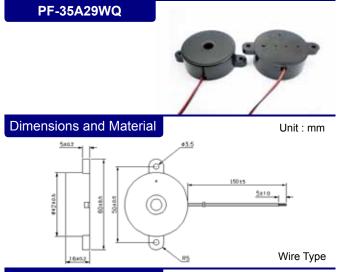
Electrical Characteristics

Oscillation Frequency	3.5 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	15 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Fast Pulse 3.0	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C



Electrical Characteristics

Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	8 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Fast Pulse 3.0 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C



Electrical enalacterions		
Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage	3 ~ 24	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	10 at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Fast Pulse 3.0 ± 20%	Hz
Operating Temperature	-20 ~ +7 0	°C
Storage Temperature	-30 ~ +80	°C

PF-621HNQ



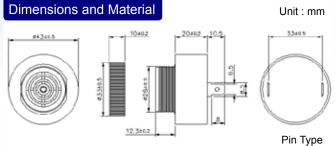
Dimensions and Material Unit: mm +0 Pin Type

Electrical Characteristics

2.9 ± 0.5	KHz
60 ~ 250	V
220	V
25 at Rated Voltage	mA
90 at 30cm at Rated Voltage	dB
Fast Pulse 3.0 ± 20%	Hz
-20 ~ +70	°C
-30 ~ +80	°C
	60 ~ 250 220 25 at Rated Voltage 90 at 30cm at Rated Voltage Fast Pulse 3.0 ± 20% -20 ~ +70

PF-624HN-24VQ





Electrical Characteristics

Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage (Vdc/AC)	6 ~ 28	V
Rated Voltage (Vdc/AC)	24	V
Current Consumption (Max)	15 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Fast Pulse 3.0 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

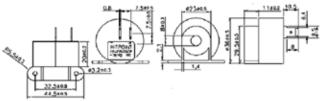
PF-27N29EP-36VQ

Dimensions and Material

PF-27N29EP-48VQ 48 V



Unit: mm



Pin Type

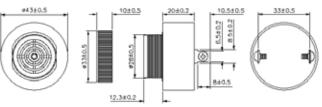
Electrical Characteristics

Oscillation Frequency	2.8 ± 0.5	KHz
Operating Voltage (Vdc/AC)	9 ~ 45	V
Rated Voltage (Vdc/AC)	36	V
Current Consumption (Max)	30 at 36Vdc	mA
Sound Pressure Level (Min)	90 at 30cm at 36Vdc	dB
Tone / Pulse Rate	Fast Pulse 3.0 ± 20%	Hz
Operating Temperature	-20 ~ +7 0	°C
Storage Temperature	-30 ~ +80	°C

PF-35A29ERA-DQ



Dimensions and Material



Pin Type

Unit: mm

Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage (Vdc/AC)	3 ~ 24	V
Rated Voltage (Vdc/AC)	12	V
Current Consumption (Max)	15at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Fast Pulse 3.0 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

HITPOINT INC.

Piezo Electric Buzzer / AC / DC Type (壓電式蜂鳴器 / 自激式)

Pin Type

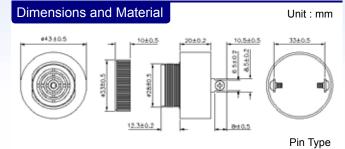
PF-35N29ER48VA-DQ



Dimensions and Material Unit: mm #43±0.5 20±0.2

PF-35A29ER48VADQ





Electrical Characteristics

Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage (Vdc/AC)	18 ~ 48	V
Rated Voltage (Vdc/AC)	48	V
Current Consumption (Max)	25 at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Fast Pulse 3.0 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

Electrical Characteristics

Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage (Vdc/AC)	18 ~ 48	V
Rated Voltage (Vdc/AC)	48	V
Current Consumption (Max)	25 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Fast Pulse 3.0 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

PF-35A29EP-24VQ

PF-35A29EP-110VQ 110 V



Dimensions and Material Unit: mm 20407 Pin Type

Electrical Characteristics

Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage (Vdc/AC)	6 ~ 28 (AC/DC)	V
Rated Voltage (Vdc/AC)	24	V
Current Consumption (Max)	18 at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Fast Pulse 3.0 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

PF-35A29EP-220SQ



Dimensions and Material Unit: mm 20±0.7 7.5493 **∉**43±0.5 Pin Type

Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage (Vdc/AC)	60 ~ 250	V
Rated Voltage (Vdc/AC)	220	V
Current Consumption (Max)	25 at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Fast Pulse 3.0 ± 20%	Hz
Operating Temperature	-20 ~ + 70	°C
Storage Temperature	-30 ~ +80	°C
Sound Pressure Level (Min) Tone / Pulse Rate Operating Temperature	95 at 30cm at Rated Voltage Fast Pulse 3.0 ± 20% -20 ~ +70	d F

PF-35A29EPD-24VQ

PF-35A29EPD-48VQ PF-35A29EPD-110Q PF-35A29EPD-220Q 220



PF-35A29ER-24Q

PF-35A29ER-48Q

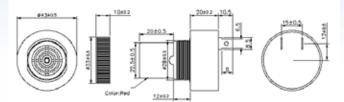
48



Dimensions and Material

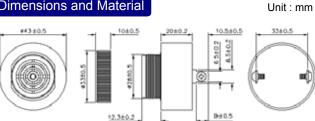
Unit: mm

Piezo Electric Buzzer / AC / DC Type (壓電式蜂鳴器 / 自激式)



Pin Type

Dimensions and Material



Pin Type

Electrical Characteristics

Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage (Vdc/AC)	6 ~ 28(AC/DC)	V
Rated Voltage (Vdc/AC)	24	V
Current Consumption (Max)	20 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Fast Pulse 3.0 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

Electrical Characteristics

Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage (Vdc/AC)	6 ~ 28(AC/DC)	V
Rated Voltage (Vdc/AC)	24	V
Current Consumption (Max)	18 at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Fast Pulse 3.0 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

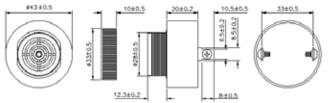
PF-35A29ER-110VQ





Dimensions and Material

Unit: mm

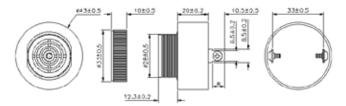


Pin Type

Dimensions and Material

PF-35A29ER-220SQ

Unit: mm



Pin Type

Electrical Characteristics

Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage (Vdc/AC)	30 ~ 120	V
Rated Voltage (Vdc/AC)	110	V
Current Consumption (Max)	25 at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Fast Pulse 3.0 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage (Vdc/AC)	60 ~ 250	V
Rated Voltage (Vdc/AC)	220	V
Current Consumption (Max)	25 at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Fast Pulse 3.0 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

HITPOINT INC.

Piezo Electric Buzzer / AC / DC Type (壓電式蜂鳴器 / 自激式)

PF-35N29EP-24VQ

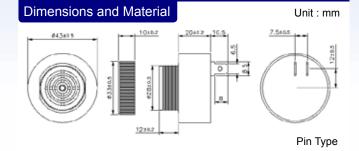
PF-35N29EP-110VQ 110 V



Dimensions and Material Unit: mm 20+02 ,10.5 Ø43±05 Pin Type

PF-35N29EP-220SQ





Electrical Characteristics

2.9 ± 0.5	KHz
6 ~ 28(AC/DC)	V
24	V
18 at Rated Voltage	mA
90 at 30cm at Rated Voltage	dB
Fast Pulse 3.0 ± 20%	Hz
-20 ~ +70	°C
-30 ~ +80	°C
	6 ~ 28(AC/DC) 24 18 at Rated Voltage 90 at 30cm at Rated Voltage Fast Pulse 3.0 ± 20% -20 ~ +70

Electrical Characteristics

Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage (Vdc/AC)	60 ~ 250	V
Rated Voltage (Vdc/AC)	220	V
Current Consumption (Max)	25 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Fast Pulse 3.0 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

PF-35N29ER-24Q

PF-35N29ER-110Q 110 V

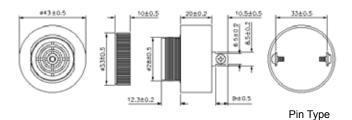


PF35N29ER220SQ



Dimensions and Material

Unit: mm



Dimensions and Material

#43±0.5 10.5±0.5 33±0.5 8:10.5

Pin Type

Unit: mm

Electrical Characteristics

Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage (Vdc/AC)	6 ~ 28(AC/DC)	V
Rated Voltage (Vdc/AC)	24	V
Current Consumption (Max)	18 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Fast Pulse 3.0 ±20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage (Vdc/AC)	60 ~ 250	V
Rated Voltage (Vdc/AC)	220	V
Current Consumption (Max)	25 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Fast Pulse 3.0 ± 20%	Hz
Operating Temperature	-20 ~ +7 0	°C
Storage Temperature	-30 ~ +80	°C

Piezo Electric Buzzer / DC Type (壓電式蜂鳴器 / 自激式)

PL-21N30PQ



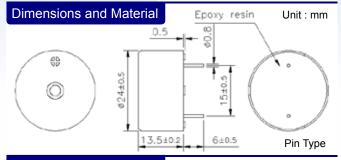
Dimensions and Material Unit: mm Ø24±0.5 (0) 回 9.5±0.2 8.5±0.5 Pin Type

Electrical Characteristics

Oscillation Frequency	3.0 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	12 at Rated Voltage	mA
Sound Pressure Level (Min)	80 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Slow Pulse 1.2 ± 20%	Hz
Operating Temperature	-20 ~ +90	°C
Storage Temperature	-30 ~ +100	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PL-21N31PQ





Electrical Characteristics

Oscillation Frequency	3.0 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	12 at Rated Voltage	mA
Sound Pressure Level (Min)	80 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Slow Pulse 1.2 ± 20%	Hz
Operating Temperature	-20 ~ +90	°C
Storage Temperature	-30 ~ +100	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PL-21A31PQ



Dimensions and Mate	erial	Ероху ге	sin Unit : mm
\$24±0.5	0.5	6±0.5	Pin Type

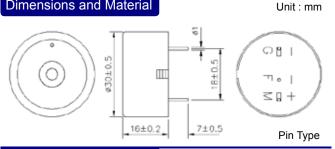
Electrical Characteristics

Oscillation Frequency	3.0 ± 0.5	KHz
Operating Voltage	3.0 ~ 24	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	18 at Rated Voltage	mA
Sound Pressure Level (Min)	85 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Slow Pulse 1.2 ± 20%	Hz
Operating Temperature	-20 ~ +90	°C
Storage Temperature	-30 ~ +100	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PL-27N25PQ



Dimensions and Material



Electrical characteristic		
Oscillation Frequency	2.5 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	8 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Slow Pulse 1.2 ± 20%	Hz
Operating Temperature	-20 ~ +7 0	°C
Storage Temperature	-30 ~ +80	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

Piezo Electric Buzzer / DC Type (壓電式蜂鳴器 / 自激式)

PL-27A25PQ



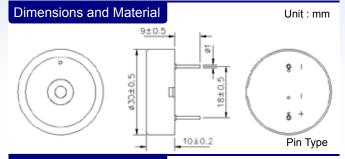
Dimensions and Material Unit: mm

Electrical Characteristics

Oscillation Frequency	2.5 ± 0.5	KHz
Operating Voltage	3 ~ 20	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	10 at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Slow Pulse 1.2 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PL-27N26PQ



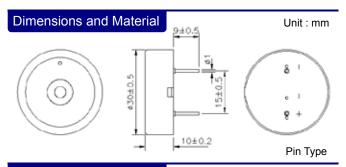


Electrical Characteristics

Oscillation Frequency	2.5 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	15 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Slow Pulse 1.2 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PL-27N26PSQ



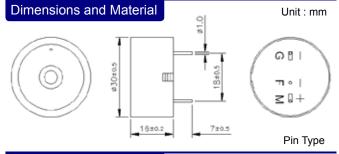


Electrical Characteristics

Oscillation Frequency	2.5 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	15 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Slow Pulse 1.2 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PL-27N35PQ



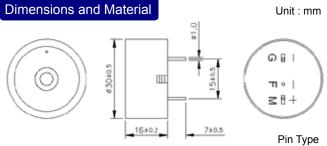


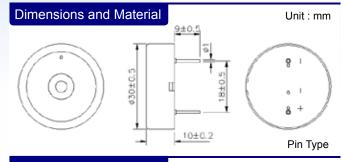
Oscillation Frequency	3.5 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	15 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Slow Pulse 1.2 ± 20%	Hz
Operating Temperature	-20 ~ +7 0	°C
Storage Temperature	-30 ~ +80	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PL-27A35PSQ



PL-27N36PQ





Electrical Characteristics

Oscillation Frequency	3.5 ± 0.5	KHz
Operating Voltage	5 ~ 24	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	15 at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Slow Pulse 1.2 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

Electrical Characteristics

Oscillation Frequency	3.5 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	15 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Slow Pulse 1.2 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

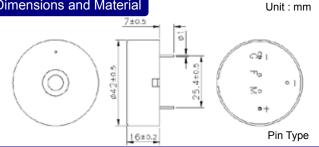
PL-35N29PQ





Unit: mm

Dimensions and Material



Pin Type

15±0.2

Electrical Characteristics

Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	8 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Slow Pulse 1.2 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

Electrical Characteristics

Dimensions and Material

Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage	3 ~ 24	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	10 at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Slow Pulse 1.2 ± 20%	Hz
Operating Temperature	-20 ~ +90	°C
Storage Temperature	-30 ~ +100	°C
Wave soldering conditions	260 ± 5 °C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

Piezo Electric Buzzer / DC Type (壓電式蜂鳴器 / 自激式)

PL-27N29EPQ



Dimensions and Material

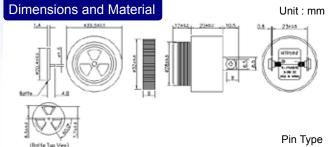
Ø35,5±0.5



Pin Type

PL-27N29ERQ





Electrical Characteristics

2.9 ± 0.5	KHz
3 ~ 28	Vdc
12	Vdc
8 at Rated Voltage	mA
90 at 30cm at Rated Voltage	dB
Slow Pulse 1.2 ± 20%	Hz
-20 ~ +70	°C
-30 ~ +80	°C
	3 ~ 28 12 8 at Rated Voltage 90 at 30cm at Rated Voltage Slow Pulse 1.2 ± 20% -20 ~ +70

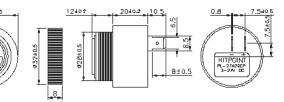
Electrical Characteristics

Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	8 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Slow Pulse 1.2 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

PL-27A29EPQ



Dimensions and Material



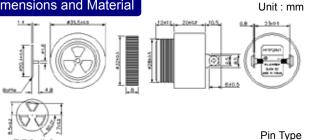
Pin Type

Unit: mm

PL-27A29ERQ



Dimensions and Material



Electrical Characteristics

Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage	3 ~ 24	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	10 at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Slow Pulse 1.2 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage	3 ~ 24	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	10 at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Slow Pulse 1.2 ± 20%	Hz
Operating Temperature	-20 ~ +7 0	°C
Storage Temperature	-30 ~ +80	°C

PL-27N35EPQ

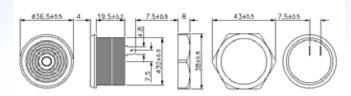


PL-27N35ERQ



Dimensions and Material

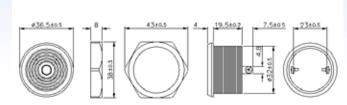
Unit: mm



Pin Type

Dimensions and Material

Unit: mm



Pin Type

Electrical Characteristics

Oscillation Frequency	3.5 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	15 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Slow Pulse 1.2 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

Electrical Characteristics

Oscillation Frequency	3.5 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	15 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Slow Pulse 1.2 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

PL-27A35EPQ

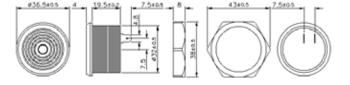


PL-27A35ERQ



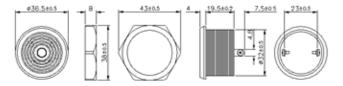
Dimensions and Material

Unit: mm



Pin Type

Dimensions and Material



Pin Type

Unit: mm

Electrical Characteristics

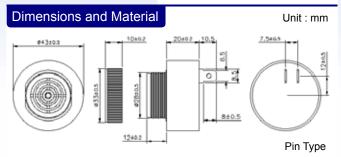
Oscillation Frequency	3.5 ± 0.5	KHz
Operating Voltage	3 ~ 24	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	15 at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Slow Pulse 1.2 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

Oscillation Frequency	3.5 ± 0.5	KHz
Operating Voltage	3 ~ 24	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	15 at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Slow Pulse 1.2 ± 20%	Hz
Operating Temperature	-20 ~ +7 0	°C
Storage Temperature	-30 ~ +80	°C

Piezo Electric Buzzer / DC Type (壓電式蜂鳴器 / 自激式)

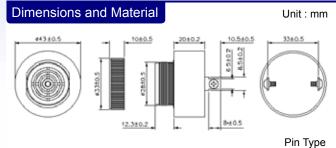
PL-35N29EPQ





PL-35N29ERQ





Electrical Characteristics

2.9 ± 0.5	KHz
3 ~ 28	Vdc
12	Vdc
8 at Rated Voltage	mA
90 at 30cm at Rated Voltage	dB
Slow Pulse 1.2 ± 20%	Hz
-20 ~ +70	°C
-30 ~ +80	°C
	3 ~ 28 12 8 at Rated Voltage 90 at 30cm at Rated Voltage Slow Pulse 1.2 ± 20% -20 ~ +70

Electrical Characteristics

Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	8 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Slow Pulse 1.2 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

PL-35A29EPQ

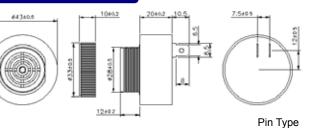


Unit: mm

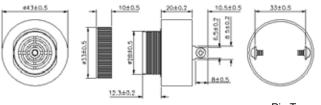
PL-35A29ERQ



Dimensions and Material



Dimensions and Material



Pin Type

Unit: mm

Electrical Characteristics

Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage	3 ~ 24	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	10 at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Slow Pulse 1.2 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage	3 ~ 24	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	10 at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Slow Pulse 1.2 ± 20%	Hz
Operating Temperature	-20 ~ +7 0	°C
Storage Temperature	-30 ~ +80	°C

PL-20A35EWQ



Dimensions and Material Unit: mm Lead Wire Black:(-) Red:(+) Color: 5±1.0

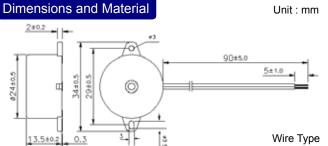
Wire Type

Electrical Characteristics

Oscillation Frequency	3.5 ± 0.5	KHz
Operating Voltage	5 ~ 24	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	10 at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Slow Pulse 1.2 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

PL-21A29WQ





Electrical Characteristics

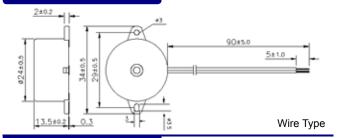
Oscillation Frequency	3.0 ± 0.5	KHz
Operating Voltage	3 ~ 24	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	18 at Rated Voltage	mA
Sound Pressure Level (Min)	85 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Slow Pulse 1.2 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

PL-21A29W-24Q



Dimensions and Material

Unit: mm



Electrical Characteristics

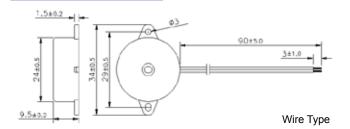
Oscillation Frequency	3.0 ± 0.5	KHz
Operating Voltage	12 ~ 28	Vdc
Rated Voltage	24	Vdc
Current Consumption (Max)	18 at Rated Voltage	mA
Sound Pressure Level (Min)	85 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Slow Pulse 1.2 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

PL-21N30WQ



Dimensions and Material

Unit: mm

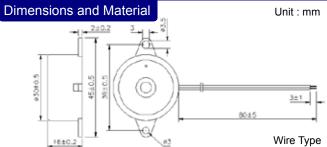


Oscillation Frequency	3.0 ± 0.5	KHz
Operating Voltage	3 ~ 30	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	12 at Rated Voltage	mA
Sound Pressure Level (Min)	80 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Slow Pulse 1.2 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

Piezo Electric Buzzer / DC Type (壓電式蜂鳴器 / 自激式)

PL-27N25WQ

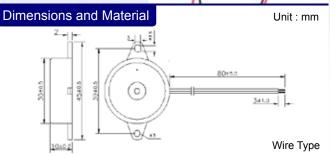




Electrical Characteristics

2.5 ± 0.5	KHz
3 ~ 28	Vdc
12	Vdc
15 at Rated Voltage	mA
90 at 30cm at Rated Voltage	dB
Slow Pulse 1.2 ± 20%	Hz
-20 ~ +70	°C
-30 ~ +80	°C
	3 ~ 28 12 15 at Rated Voltage 90 at 30cm at Rated Voltage Slow Pulse 1.2 ± 20% -20 ~ +70

PL-27N26WQ

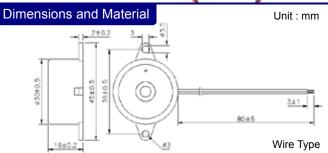


Electrical Characteristics

Oscillation Frequency	2.5 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	15 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Slow Pulse 1.2 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

PL-27N35WQ

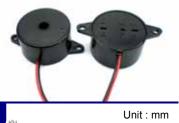




Electrical Characteristics

Oscillation Frequency	3.5 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	15 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Slow Pulse 1.2 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

PL-27N35W-24VQ

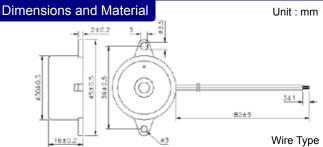


Dimensions and Material	Unit : mm
200000 B 2000000 C C C C C C C C C C C C C C C C	Block 83±5
16±0.2	Wire Type

Oscillation Frequency	3.5 ± 0.5	KHz
Operating Voltage	12~ 30	Vdc
Rated Voltage	24	Vdc
Current Consumption (Max)	15 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Slow Pulse 1.2 ± 20%	Hz
Operating Temperature	-20 ~ +7 0	°C
Storage Temperature	-30 ~ +80	°C

PL-27A35WQ



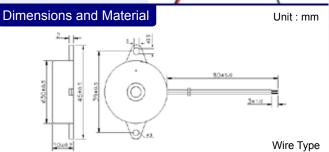


Electrical Characteristics

Oscillation Frequency	3.5 ± 0.5	KHz
Operating Voltage	3 ~ 24	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	15 at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Slow Pulse 1.2 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

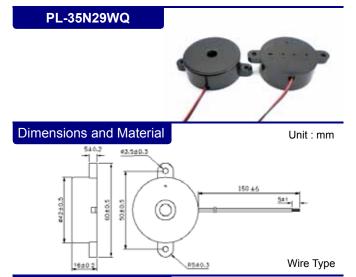
PL-27N36WQ





Electrical Characteristics

Oscillation Frequency	3.5 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	15 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Slow Pulse 1.2 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C



Electrical Characteristics

Electrical Stratactoristics		
Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	8 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Slow Pulse 1.2 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

Dimensions and Material Unit: mm

Electrical Characteristics

Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage	3 ~ 24	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	10 at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Slow Pulse 1.2 ± 20%	Hz
Operating Temperature	-20 ~ +7 0	°C
Storage Temperature	-30 ~ +80	°C

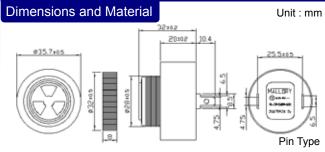
P5#0.3

Wire Type

Piezo Electric Buzzer / AC / DC Type (壓電式蜂鳴器 / 自激式)

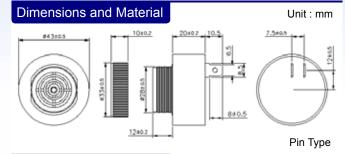
PL-27H29EP-60DQ





PL-35N29EP-24VQ





Electrical Characteristics

2.9 ± 0.5	KHz
10 ~ 60	Vdc
60	Vdc
55 at Rated Voltage	mA
97 at 2ft at Rated Voltage	dB
Pulse 1.0 ± 20%	Hz
-20 ~ +70	°C
-30 ~ +80	°C
	10 ~ 60 60 55 at Rated Voltage 97 at 2ft at Rated Voltage Pulse 1.0 ± 20% -20 ~ +70

Electrical Characteristics

Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage (Vdc/AC)	6 ~ 28 (AC/DC)	V
Rated Voltage(Vdc/AC)	24	V
Current Consumption (Max)	18 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Slow Pulse 1.2 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

PL-35N29EP-220SQ



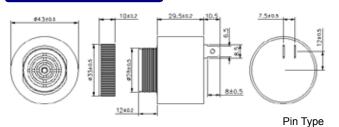
Unit: mm

PL-35N29ER-24Q

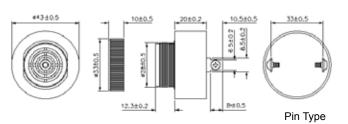


Unit: mm

Dimensions and Material



Dimensions and Material



Electrical Characteristics

Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage (Vdc/AC)	60 ~ 250 (AC/DC)	V
Rated Voltage(Vdc/AC)	220 (AC/DC)	V
Current Consumption (Max)	25 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Slow Pulse 1.2 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage (Vdc/AC)	6 ~ 28	V
Rated Voltage(Vdc/AC)	24	V
Current Consumption (Max)	18 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Slow Pulse 1.2 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

Piezo Electric Buzzer / AC / DC Type (壓電式蜂鳴器 / 自激式)

Piezo Electric Buzzer / AC / DC Type (壓電式蜂鳴器 / 自激式)

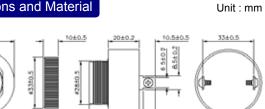
PL-35N29ER-220SQ



PL-35A29EP-220SQ



Dimensions and Material



Pin Type

Dimensions and Material Unit: mm

Pin Type

Electrical Characteristics

Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage (Vdc/AC)	60 ~ 250	V
Rated Voltage(Vdc/AC)	220	V
Current Consumption (Max)	25 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Slow Pulse 1.2 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

Electrical Characteristics

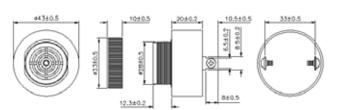
Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage (Vdc/AC)	60 ~ 250	V
Rated Voltage(Vdc/AC)	220	V
Current Consumption (Max)	25 at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Slow Pulse 1.2 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

PL-35A29ER-24Q

Dimensions and Material



Unit: mm

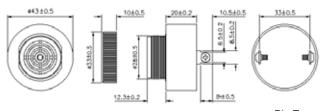


Pin Type

PL-35A29ER-220SQ



Dimensions and Material



Pin Type

Unit: mm

Electrical Characteristics

Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage (Vdc/AC)	6 ~ 28	V
Rated Voltage(Vdc/AC)	24	V
Current Consumption (Max)	18 at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Slow Pulse 1.2 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage (Vdc/AC)	60 ~ 250	V
Rated Voltage(Vdc/AC)	220	V
Current Consumption (Max)	25 at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Slow Pulse 1.2 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

Piezo Electric Buzzer / DC Type (壓電式蜂鳴器 / 自激式)

PFD-21N30PQ



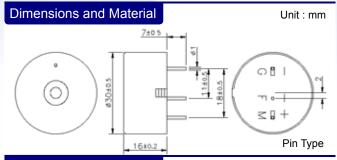
Dimensions and Material Unit:mm 9.5±0.2 Pin Type

Electrical Characteristics

Oscillation Frequency	3.0 ± 0.5	KHz
Operating Voltage	3 ~ 30	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	12 at Rated Voltage	mA
Sound Pressure Level (Min)	80 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant+Fast Pulse3.0 ± 20%	Hz
Operating Temperature	-20 ~ +90	°C
Storage Temperature	-30 ~ +100	°C
Wave soldering conditions	260 ± 5°C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PFD-27A25PQ





Electrical Characteristics

Oscillation Frequency	2.5 ± 0.5	KHz
Operating Voltage	3 ~ 24	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	15 at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant+Fast Pulse3.0 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PFD-27N26PQ



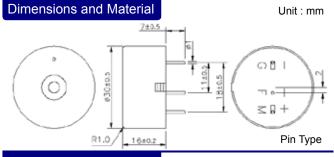
Dimensions and Material Unit:mm 8.5±0.5 Pin Type

Electrical Characteristics

Oscillation Frequency	2.5 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	15 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant+Fast Pulse3.0 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PFD-27A35PQ





Oscillation Frequency	3.5 ± 0.5	KHz
Operating Voltage	3 ~ 24	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	10 at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant+Fast Pulse3.0 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

Piezo Electric Buzzer / DC Type (壓電式蜂鳴器 / 自激式)

PFD-27N36PQ



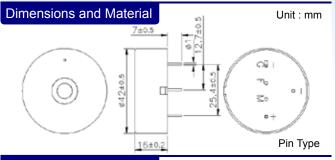
Dimensions and Material Unit : mm \$30±0.5 10±0.2 Pin Type

Electrical Characteristics

Oscillation Frequency	3.5 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	15 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant+Fast Pulse3.0 ± 20%	Hz
Operating Temperature	-20 ~ +90	°C
Operating Temperature Storage Temperature	-20 ~ +90 -30 ~ +100	°C
	_, ,,	
Storage Temperature	-30 ~ +100	°C

PFD-35A29PQ



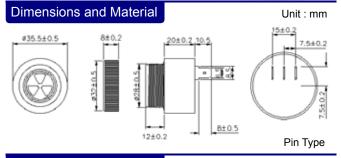


Electrical Characteristics

Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage	3 ~ <u>2</u> 4	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	10 at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant+Fast Pulse3.0 ± 20%	Hz
Operating Temperature	-20 ~ +90	°C
Storage Temperature	-30 ~ +100	°C
Wave soldering conditions	260 ± 5°C / within 5sec	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PFD-27N29EPQ





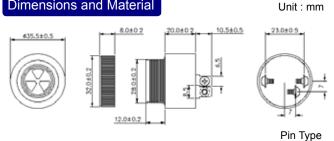
Electrical Characteristics

Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	15 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant+Fast Pulse3.0 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

PFD-27N29ERQ



Dimensions and Material



Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	15 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant+Fast Pulse3.0 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

Piezo Electric Buzzer / DC Type (壓電式蜂鳴器 / 自激式)

PFD-27A29EPQ



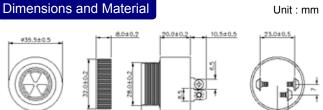
Dimensions and Material



Pin Type

PFD-27A29ERQ





12.0±0.2

Pin Type

Electrical Characteristics

Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage	3 ~ 24	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	15 at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant+Fast Pulse3.0 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

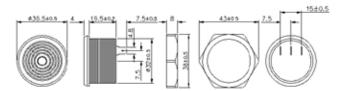
Electrical Characteristics

Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage	3 ~ 24	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	10 at Rated Voltage	mΑ
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant+Fast Pulse3.0 ± 20%	Hz
Operating Temperature	-20 ~ + 70	°C
Storage Temperature	-30 ~ +80	°C

PFD-27N35EPQ



Dimensions and Material



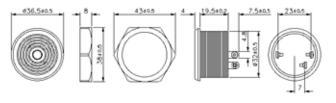
Pin Type

Unit: mm

PFD-27N35ERQ



Dimensions and Material



Pin Type

Unit: mm

Electrical Characteristics

Oscillation Frequency	3.5 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	15 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant+Fast Pulse3.0 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

Oscillation Frequency	3.5 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	15 at Rated Voltage	mΑ
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant+Fast Pulse3.0 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

Piezo Electric Buzzer / DC Type (壓電式蜂鳴器 / 自激式)

PFD-27A35EPQ



Dimensions and Material

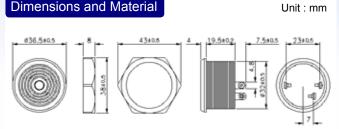


Pin Type

PFD-27A35ERQ



Dimensions and Material



Pin Type

Electrical Characteristics

Oscillation Frequency	3.5 ± 0.5	KHz
Operating Voltage	3 ~ 24	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	15 at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant+Fast Pulse3.0 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

Electrical Characteristics

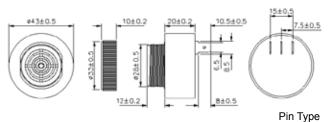
Oscillation Frequency	3.5 ± 0.5	KHz
Operating Voltage	3 ~ 24	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	15 at Rated Voltage	mΑ
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant+Fast Pulse3.0 ± 20%	Hz
Operating Temperature	-20 ~ +7 0	°C
Storage Temperature	-30 ~ +80	°C

PFD-35N29EPQ



Unit: mm

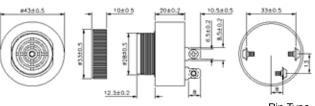
Dimensions and Material



PFD-35N29ERQ



Dimensions and Material



Pin Type

Unit: mm

Electrical Characteristics

Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	8 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant+Fast Pulse3.0 ± 20%	Hz
Operating Temperature	-20 ~ + 70	°C
Storage Temperature	-30 ~ +80	°C

Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	8 at Rated Voltage	mΑ
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant+Fast Pulse3.0 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

Piezo Electric Buzzer / DC Type (壓電式蜂鳴器 / 自激式)

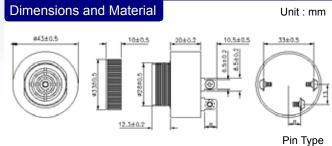
PFD-35A29EPQ



Dimensions and Material Unit: mm

PFD-35A29ERQ





Electrical Characteristics

Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage	3 ~ 24	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	10 at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant+Fast Pulse3.0 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

Electrical Characteristics

Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage	3 ~ 24	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	10 at Rated Voltage	mΑ
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant+Fast Pulse3.0 ± 20%	Hz
Operating Temperature	-20 ~ + 70	°C
Storage Temperature	-30 ~ +80	°C

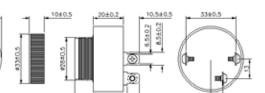
PFD-35N29ER48A-DQ



PFD-20A35EWQ



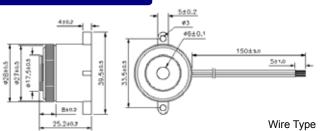
Dimensions and Material



Pin Type

Unit: mm

Dimensions and Material



Electrical Characteristics

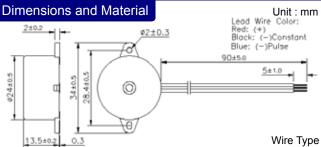
2.9 ± 0.5	KHz
9 ~ 48	V
48	V
30 at Rated Voltage	mΑ
90 at 30cm at Rated Voltage	dB
Constant+Fast Pulse3.0 ± 20%	Hz
-20 ~ +70	°C
-30 ~ +80	°C
	9 ~ 48 48 30 at Rated Voltage 90 at 30cm at Rated Voltage Constant+Fast Pulse3.0 ± 20% -20 ~ +70

Oscillation Frequency	3.5 ± 0.5	KHz
Operating Voltage	3 ~ 24	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	10 at Rated Voltage	mΑ
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant+Fast Pulse 3.0 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

Piezo Electric Buzzer / DC Type (壓電式蜂鳴器 / 自激式)

PFD-21A29WQ



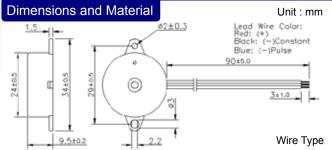


Electrical Characteristics

Oscillation Frequency	3.0 ± 0.5	KHz
Operating Voltage	3 ~ 24	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	18 at Rated Voltage	mA
Sound Pressure Level (Min)	85 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant+Fast Pulse3.0 ± 20%	Hz
Operating Temperature	-20 ~ + 70	°C
Storage Temperature	-30 ~ +80	°C

PFD-21N30WQ



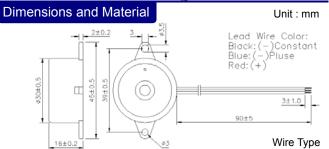


Electrical Characteristics

Oscillation Frequency	3.0 ± 0.5	KHz
Operating Voltage	3 ~ 30	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	12 at Rated Voltage	mA
Sound Pressure Level (Min)	80 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant+Fast Pulse3.0 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

PFD-27A25WQ



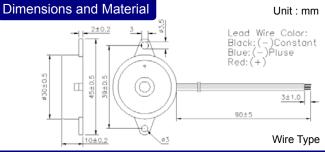


Electrical Characteristics

Oscillation Frequency	2.5 ± 0.5	KHz
Operating Voltage	3 ~ 24	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	10 at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant+Fast Pulse3.0 ± 20%	Hz
Operating Temperature	-20 ~ +7 0	°C
Storage Temperature	-30 ~ +80	°C

PFD-27N26WQ



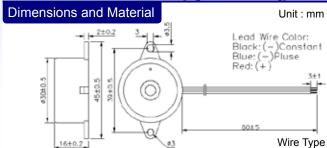


Oscillation Frequency	2.5 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	8 at Rated Voltage	mΑ
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant+Fast Pulse3.0 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

Piezo Electric Buzzer / DC Type (壓電式蜂鳴器 / 自激式)

PFD-27N35WQ



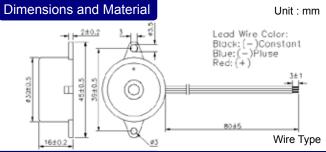


Electrical Characteristics

Oscillation Frequency	3.5 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	15 at Rated Voltage	mΑ
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant+Fast Pulse3.0 ± 20%	Hz
Operating Temperature	-20 ~ +7 0	°C
Storage Temperature	-30 ~ +80	°C

PFD-27A35WQ





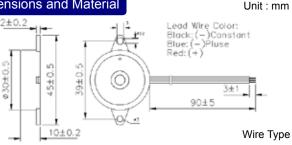
Electrical Characteristics

Oscillation Frequency	3.5 ± 0.5	KHz
Operating Voltage	3 ~ 24	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	15 at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant+Fast Pulse3.0 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

PFD-27N36WQ



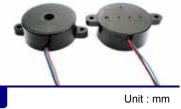
Dimensions and Material



Electrical Characteristics

Oscillation Frequency	3.5 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	12 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant+Fast Pulse3.0 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

PFD-35N29WQ



Dimensions and Material Lead Wire Color: Red:(+) Black:(-)Constant Blue:(-)Pulse 45 150±5.0 5±1.0 60±0.5 50±0.5 0 -0 Wire Type R5±03

Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	8 at Rated Voltage	mΑ
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant+Fast Pulse 3.0 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

Piezo Electric Buzzer / DC Type (壓電式蜂鳴器 / 自激式)

PLD-21N30PQ



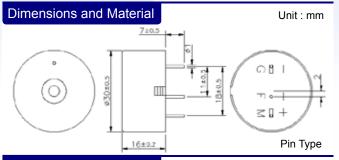
Unit : mm 9.5±0.2 Pin Type

Electrical Characteristics

Oscillation Frequency	3.0 ± 0.5	KHz
Operating Voltage	3 ~ 30	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	12 at Rated Voltage	mA
Sound Pressure Level (Min)	80 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant+Slow Pulse1.2 ± 20%	Hz
Tone / Pulse Rate Operating Temperature	Constant+Slow Pulse1.2 ± 20% -20 ~ +90	Hz °C
Operating Temperature	-20 ~ +90	°C
Operating Temperature Storage Temperature	-20 ~ +90 -30 ~ +100	°C

PLD-27N25PQ



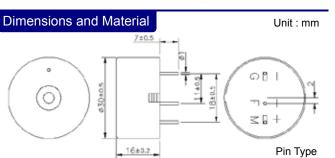


Electrical Characteristics

Oscillation Frequency	2.5 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	15 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant+Slow Pulse1.2 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PLD-27A25PQ



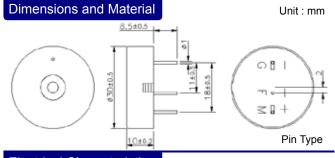


Electrical Characteristics

Oscillation Frequency	2.5 ± 0.5	KHz
Operating Voltage	3 ~ 24	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	10 at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant+Slow Pulse1.2 ± 20%	Hz
Operating Temperature	-20 ~ +7 0	°C
Storage Temperature	-30 ~ +80	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PLD-27N26PQ





Oscillation Frequency	2.5 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	8 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant+Slow Pulse1.2 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

Piezo Electric Buzzer / DC Type (壓電式蜂鳴器 / 自激式)

PLD-27N35PQ



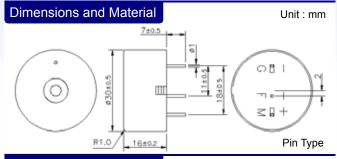
Dimensions and Material Unit: mm

Electrical Characteristics

Oscillation Frequency	3.5 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	15 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant+Slow Pulse1.2 ± 20%	Hz
Operating Temperature	-20 ~ +7 0	°C
Storage Temperature	-30 ~ +80	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PLD-27A35PQ



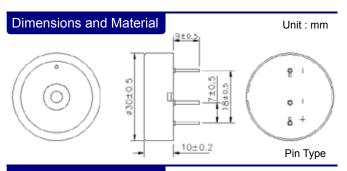


Electrical Characteristics

Oscillation Frequency	3.5 ± 0.5	KHz
Operating Voltage	5 ~ 24	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	10 at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant+Slow Pulse1.2 ± 20%	Hz
Operating Temperature	-20 ~ +7 0	°C
Storage Temperature	-30 ~ +80	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

PLD-27N36PQ



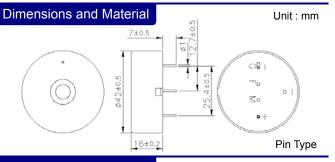


Electrical Characteristics

3.5 ± 0.5	KHz
3 ~ 28	Vdc
12	Vdc
15 at Rated Voltage	mA
90 at 30cm at Rated Voltage	dB
Constant+Slow Pulse1.2 ± 20%	Hz
-20 ~ +90	°C
-30 ~ +100	°C
260 ± 5°C / within 5sec	°C
350 ± 20 °C / within 5sec	°C
	3 ~ 28 12 15 at Rated Voltage 90 at 30cm at Rated Voltage Constant+Slow Pulse1.2 ± 20% -20 ~ +90 -30 ~ +100 260 ± 5°C / within 5sec

PLD-35N29PQ





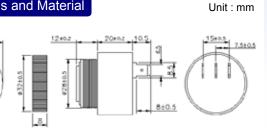
Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	8 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant+Slow Pulse1.2 ± 20%	Hz
Operating Temperature	-20 ~ +7 0	°C
Storage Temperature	-30 ~ +80	°C
Manual soldering conditions	350 ± 20 °C / within 5sec	°C

Piezo Electric Buzzer / DC Type (壓電式蜂鳴器 / 自激式)

PLD-27A20EPQ



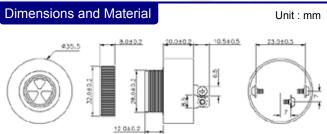
Dimensions and Material



Pin Type

PLD-27N29ERQ





Pin Type

Electrical Characteristics

2.0 ± 0.5	KHz
3 ~ 24	Vdc
12	Vdc
15 at Rated Voltage	mA
95 at 30cm at Rated Voltage	dB
Constant+Slow Pulse1.2 ± 20%	Hz
-20 ~ +70	°C
-30 ~ +80	°C
	3 ~ 24 12 15 at Rated Voltage 95 at 30cm at Rated Voltage Constant+Slow Pulse1.2 ± 20% -20 ~ +70

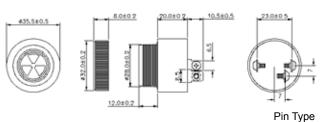
Electrical Characteristics

Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	15 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant+Slow Pulse1.2 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

PLD-27A29ERQ



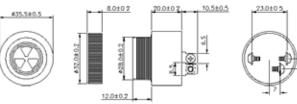
Unit: mm



PLD-27A29ERQ



Dimensions and Material



Pin Type

Unit: mm

Electrical Characteristics

Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage	3 ~ 24	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	10 at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant+Slow Pulse1.2 ± 20%	Hz
Operating Temperature	-20 ~ +7 0	°C
Storage Temperature	-30 ~ +80	°C

Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage	3 ~ 24	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	10 at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant+Slow Pulse1.2 ± 20%	Hz
Operating Temperature	-20 ~ +7 0	°C
Storage Temperature	-30 ~ +80	°C

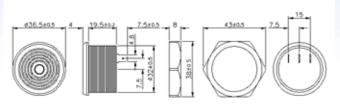
Piezo Electric Buzzer / DC Type (壓電式蜂鳴器 / 自激式)

PLD-27N35EPQ



Dimensions and Material

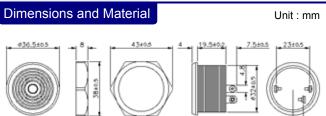
Unit : mm



Pin Type

PLD-27N35ERQ





Pin Type

Electrical Characteristics

Oscillation Frequency	3.5 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	15 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant+Slow Pulse1.2 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

Electrical Characteristics

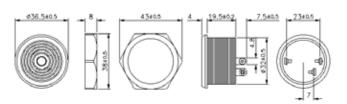
Oscillation Frequency	3.5 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	15 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant+Slow Pulse1.2 ± 20%	Hz
Operating Temperature	-20 ~ +7 0	°C
Storage Temperature	-30 ~ +80	°C

PLD-27A35ERQ

Dimensions and Material



Unit: mm



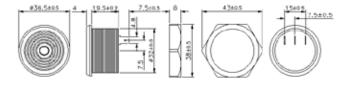
Pin Type

PLD27A35EPB03Q



Dimensions and Material

Unit : mm



Pin Type

Electrical Characteristics

Oscillation Frequency	3.5 ± 0.5	KHz
Operating Voltage	3 ~ 24	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	15 at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant+Slow Pulse1.2 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

Oscillation Frequency	3.5 ± 0.5	KHz
Operating Voltage	9 ~ 36	Vdc
Rated Voltage	14 and 28	Vdc
Current Consumption (Max)	20 at 28	
Sound Pressure Level (Min)	95 at 30cm at 28 Vdc	dB
Tone / Pulse Rate	Constant+Slow Pulse1.2 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature -30 ~ +80		°C

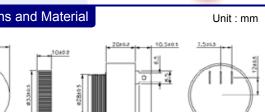
Piezo Electric Buzzer / DC Type (壓電式蜂鳴器 / 自激式)

Piezo Electric Buzzer / DC Type (壓電式蜂鳴器 / 自激式)

PLD-35N29EPQ



Dimensions and Material

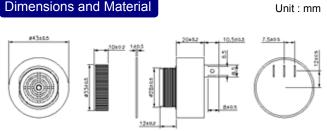


Pin Type

PLD-35N29EP-A1Q



Dimensions and Material



Pin Type

Electrical Characteristics

2.9 ± 0.5	KHz
3 ~ 28	Vdc
12	Vdc
8 at Rated Voltage	mA
90 at 30cm at Rated Voltage	dB
Constant+Slow Pulse1.2 ± 20%	Hz
-20 ~ +70	°C
-30 ~ +80	°C
	3 ~ 28 12 8 at Rated Voltage 90 at 30cm at Rated Voltage Constant+Slow Pulse1.2 ± 20% -20 ~ +70

Electrical Characteristics

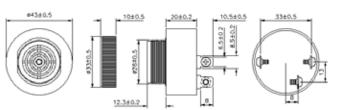
Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	8 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant+Slow Pulse1.2 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

PLD-35N29ER48A-DQ

Dimensions and Material



Unit: mm

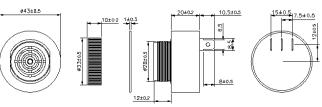


Pin Type

PLD-35A29EPQ



Dimensions and Material



Pin Type

Unit: mm

Electrical Characteristics

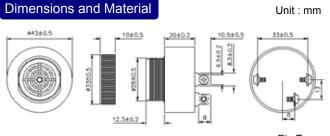
Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage	9 ~ 48	Vdc
Rated Voltage	48	Vdc
Current Consumption (Max)	30 at Rated Voltage	mΑ
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant+Slow Pulse1.2 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage	3 ~ 24	Vdc
Rated Voltage 12		Vdc
Current Consumption (Max)	10 at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant+Slow Pulse1.2 ± 20%	Hz
Operating Temperature -20 ~ +70		°C
Storage Temperature	-30 ~ +80	°C

Piezo Electric Buzzer / DC Type (壓電式蜂鳴器 / 自激式)

PLD-35N29ERQ

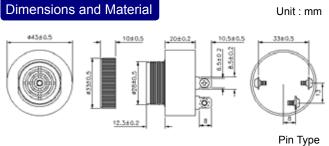




Pin Type

PLD-35A29ERQ





Electrical Characteristics

Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	8 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant+Slow Pulse1.2 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

Electrical Characteristics

Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage	3 ~ <u>2</u> 4	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	10 at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant+Slow Pulse1.2 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C





Wire Type



Electrical Characteristics

Oscillation Frequency	3.5 ± 0.5	KHz
Operating Voltage	5 ~ 24	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	10 at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant+Slow Pulse1.2 ± 20%	Hz
Operating Temperature	-20 ~ +7 0	°C
Storage Temperature	-30 ~ +80	°C

PLD-21N30WQ



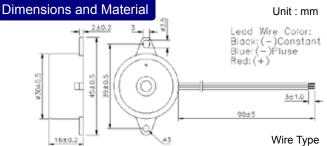
34±0.5	©2±0.3	Leod Wire Color: Red: (+) Block: (-)Constant Blue: (-)Pulse 90±5.0
9,5±0	2 2.2	Wire Type

3.0 ± 0.5	KHz
3 ~ 30	Vdc
12	Vdc
12 at Rated Voltage	mA
80 at 30cm at Rated Voltage	dB
Constant+Slow Pulse1.2 ± 20%	Hz
-20 ~ +70	°C
-30 ~ +80	°C
	3 ~ 30 12 12 at Rated Voltage 80 at 30cm at Rated Voltage Constant+Slow Pulse1.2 ± 20% -20 ~ +70

Piezo Electric Buzzer / DC Type (壓電式蜂鳴器 / 自激式)

PLD-27N25WQ



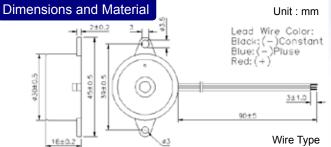


Electrical Characteristics

Oscillation Frequency	2.5 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	15 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant+Slow Pulse1.2 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

PLD-27A25WQ





Electrical Characteristics

Oscillation Frequency	2.5 ± 0.5	KHz
Operating Voltage	3 ~ 24	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	10 at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant+Slow Pulse1.2 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

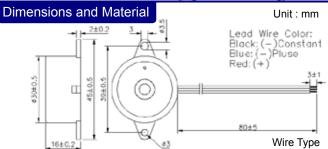


Electrical Characteristics

Oscillation Frequency	2.5 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	15 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant+Slow Pulse1.2 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

PLD-27N35WQ





Oscillation Frequency	3.5 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	15 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant+Slow Pulse1.2 ± 20%	Hz
Operating Temperature	-20 ~ +7 0	°C
Storage Temperature	-30 ~ +80	°C

Piezo Electric Buzzer / DC Type (壓電式蜂鳴器 / 自激式)

PLD-27A35WQ

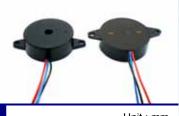


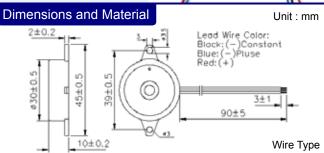
Dimensions and Material Unit: mm Lead Wire Calor: Black: (-) Constant Blue: (-) Pluse Red: (+) Wire Type

Electrical Characteristics

Oscillation Frequency	3.5 ± 0.5	KHz
Operating Voltage	3 ~ 24	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	15 at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant+Slow Pulse1.2 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

PLD-27N36WQ



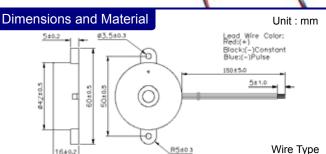


Electrical Characteristics

Oscillation Frequency	3.5 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	12 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant+Slow Pulse1.2 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C







Electrical Characteristics

Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage	3 ~ 28	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	8 at Rated Voltage	mA
Sound Pressure Level (Min)	90 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant+Slow Pulse1.2 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

PLD-35A29WQ



Dimensions and Material Unit: mm | lead Wire Color: RedX+9 | Bracks-1-Younstant | Blues-1-Pulse | | 150±5.0 | S±1.0 | | 150±

Oscillation Frequency	2.9 ± 0.5	KHz
Operating Voltage	3 ~ 24	Vdc
, ,	· -·	Vdc
Rated Voltage	12	vac
Current Consumption (Max)	10 at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Constant+Slow Pulse1.2 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

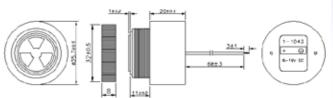
Piezo Siren (壓電式警報器) / Horn Siren (號角型警報器)

PS-102Q



Dimensions and Material

Unit: mm

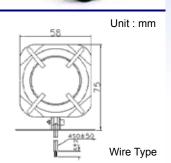


Wire Type

Dimensions and Material

PS-216AQ





Electrical Characteristics

Oscillation Frequency	1.5 ~ 3.5	KHz
Operating Voltage	6 ~ 16	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	15 at Rated Voltage	mA
Sound Pressure Level (Min)	95 at 30cm at Rated Voltage	dB
Tone / Pulse Rate	Hi / Low 2.0 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

Electrical Characteristics

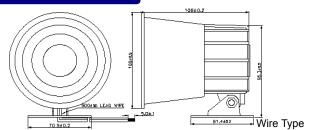
Tone nature	1 tone	Hz
Power Rating	20	W
Rated Voltage	12	Vdc
Sound Pressure Level (Min)	108at 100cm at Rated Voltage	dB
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C
Manual soldering coditionsn	350 ± 20 °C / within 5sec	°C

PS-310AQ



Dimensions and Material

Unit: mm

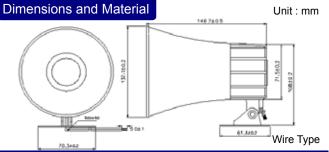


Electrical Characteristics

Oscillation Frequency	1.5 ~ 3.5	KHz
Operating Voltage	5 ~ 15	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	1200 at Rated Voltage	mA
Sound Pressure Level (Min)	115 at 100cm at Rated Voltage	dB
Tone / Pulse Rate	Sweep 3.3 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

PS-330Q





Oscillation Frequency	1.5 ~ 3.5	KHz
Operating Voltage	5 ~ 15	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	600 at Rated Voltage	mA
Sound Pressure Level (Min)	110 at 100cm at Rated Voltage	dB
Tone / Pulse Rate	Sweep 3.3 ± 20%	Hz
Operating Temperature	-20 ~ +7 0	°C
Storage Temperature	-30 ~ +80	°C

Piezo Siren (壓電式警報器) / Horn Siren (號角型警報器)

PS-350Q



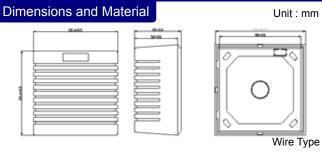
Dimensions and Material Unit: mm

Electrical Characteristics

Oscillation Frequency	1.5 ~ 3.5	KHz
Operating Voltage	5 ~ 15	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	1200 at Rated Voltage	mA
Sound Pressure Level (Min)	110 at 100cm at Rated Voltage	dB
Tone / Pulse Rate	Sweep 3.3 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

PS-365Q





Electrical Characteristics

Oscillation Frequency	1.5 ~ 3.5	KHz
Operating Voltage	5 ~ 15	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	600 at Rated Voltage	mA
Sound Pressure Level (Min)	110 at 100cm at Rated Voltage	dB
Tone / Pulse Rate	Sweep 3.3 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C
Manual soldering coditionsn	350 ± 20 °C / within 5sec	°C

PS-380Q



Wire Type

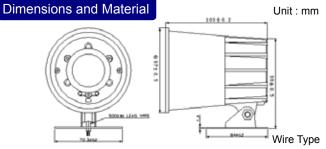
Dimensions and Material Unit: mm

Electrical Characteristics

Oscillation Frequency	1.5 ~ 3.5	KHz
Operating Voltage	5 ~ 15	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	600 at Rated Voltage	mA
Sound Pressure Level (Min)	110 at 100cm at Rated Voltage	dB
Tone / Pulse Rate	Sweep 3.3 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

PS-386Q



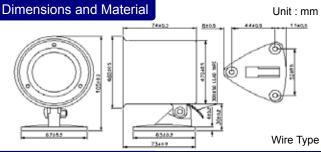


Oscillation Frequency	1.5 ~ 3.5	KHz
Operating Voltage	5 ~ 15	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	1200 at Rated Voltage	mA
Sound Pressure Level (Min)	115 at 100cm at Rated Voltage	dB
Tone / Pulse Rate	Six Tone	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

Piezo Siren (壓電式警報器) / Horn Siren (號角型警報器)

PS-511Q



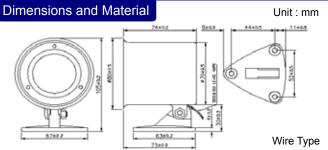


Electrical Characteristics

Oscillation Frequency	3.0 ± 0.5	KHz
Operating Voltage	5 ~ 15	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	250 at Rated Voltage	mA
Sound Pressure Level (Min)	108 at 100cm at Rated Voltage	dB
Tone / Pulse Rate	Pulse 1.2 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

PS-511-24VQ



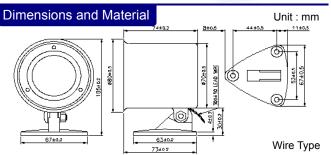


Electrical Characteristics

Oscillation Frequency	3.0 ± 0.5	KHz
Operating Voltage	6 ~ 28	Vdc
Rated Voltage	24	Vdc
Current Consumption (Max)	250 at Rated Voltage	mA
Sound Pressure Level (Min)	108 at 100cm at Rated Voltage	dB
Tone / Pulse Rate	Pulse 1.2 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

PS-513CQ



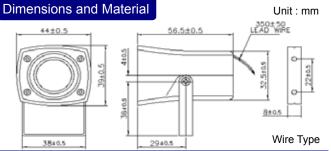


Electrical Characteristics

Oscillation Frequency	1.5 ~ 3.5	KHz
Operating Voltage	5 ~ 15	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	400 at Rated Voltage	mA
Sound Pressure Level (Min)	110 at 100cm at Rated Voltage	dB
Tone / Pulse Rate	Sweep 3.3 ± 20%	Hz
Operating Temperature	-20 ~ + 60	°C
Storage Temperature	-30 ~ +70	°C

PS-520Q



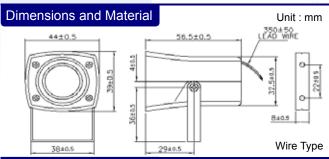


Oscillation Frequency	3.0 ± 0.5	KHz
Operating Voltage	5 ~ 15	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	200 at Rated Voltage	mA
Sound Pressure Level (Min)	105 at 100cm at Rated Voltage	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

Piezo Siren (壓電式警報器) / Horn Siren (號角型警報器)

PS-521Q



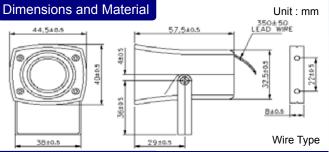


Electrical Characteristics

Oscillation Frequency	3.0 ± 0.5	KHz
Operating Voltage	5 ~ 15	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	200 at Rated Voltage	mA
Sound Pressure Level (Min)	105 at 100cm at Rated Voltage	dB
Tone / Pulse Rate	Pulse 1.2 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

PS-521-24AQ



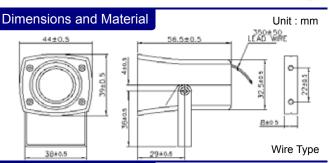


Electrical Characteristics

Oscillation Frequency	3.0 ± 0.5	KHz
Oscillation Frequency	3.0 ± 0.5	NΠZ
Operating Voltage	6 ~ 28	Vdc
Rated Voltage	24	Vdc
Current Consumption (Max)	200 at Rated Voltage	mA
Sound Pressure Level (Min)	105 at 100cm at Rated Voltage	dB
Tone / Pulse Rate	Pulse 3.0 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

PS-522Q



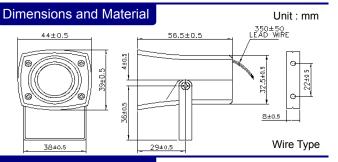


Electrical Characteristics

2.5 ~ 3.5	KHz
5 ~ 15	Vdc
12	Vdc
200 at Rated Voltage	mA
105 at 100cm at Rated Voltage	dB
Hi / Low 1.2 ± 20%	Hz
-20 ~ +70	°C
-30 ~ +80	°C
	5 ~ 15 12 200 at Rated Voltage 105 at 100cm at Rated Voltage Hi / Low 1.2 ± 20% -20 ~ +70

PS-523AQ





Oscillation Frequency	1.5 ~ 4.0	KHz
	*** ***	
Operating Voltage	5 ~ 15	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	200 at Rated Voltage	mA
Sound Pressure Level (Min)	105 at 100cm at Rated Voltage	dB
Tone / Pulse Rate	Sweep 4.5 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

Piezo Siren (壓電式警報器) / Horn Siren (號角型警報器)

Piezo Siren (壓電式警報器) / Horn Siren (號角型警報器)

PS-530Q



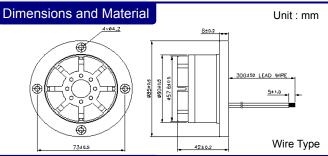
Unit : mm

Electrical Characteristics

Oscillation Frequency	2.8 ± 0.5	KHz
Operating Voltage	5 ~ 15	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	200 at Rated Voltage	mA
Sound Pressure Level (Min)	105 at 100cm at Rated Voltage	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C
Storage Temperature	-30 ~ +80	°C

PS-531Q



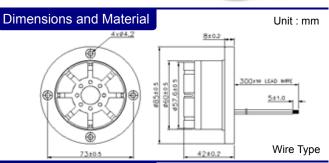


Electrical Characteristics

Oscillation Frequency	2.8 ± 0.5	KHz
Operating Voltage	5 ~ 15	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	200 at Rated Voltage	mA
Sound Pressure Level (Min)	105 at 100cm at Rated Voltage	dB
Tone / Pulse Rate	Pulse 1.2 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

PS-532Q



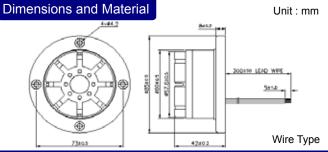


Electrical Characteristics

equency 2.3 ~ 3.5	KHz
tage 7 ~ 15	Vdc
12	Vdc
umption (Max) 200 at Rated Voltage	mA
re Level (Min) 105 at 100cm at Rated Vo	e dB
Rate Hi / Low 1.2 ± 20%	Hz
nperature -20 ~ +70	°C
erature -30 ~ +80	°C
Jumption (Max) 200 at Rated Voltage 105 at 100cm at Rated Voltage Rate Hi / Low 1.2 ± 20% 105 at 100cm at Rated Voltage -20 ~ +70	e d

PS-533Q





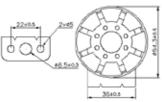
Oscillation Frequency	1.5 ~ 3.5	KHz
Operating Voltage	5 ~ 15	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	200 at Rated Voltage	mA
Sound Pressure Level (Min)	105 at 100cm at Rated Voltage	dB
Tone / Pulse Rate	Sweep 3.3 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

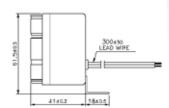
Piezo Siren (壓電式警報器) / Horn Siren (號角型警報器)

PS-550Q



Dimensions and Material



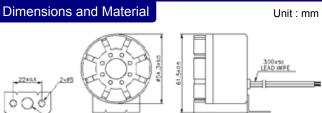


Wire Type

Unit: mm

PS-550-24VQ





Wire Type

Electrical Characteristics

Oscillation Frequency	2.8 ± 0.5	KHz
Operating Voltage	5 ~ 15	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	200 at Rated Voltage	mA
Sound Pressure Level (Min)	105 at 100cm at Rated Voltage	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

Electrical Characteristics

Oscillation Frequency	2.8 ± 0.5	KHz
Operating Voltage	6 ~ 28	Vdc
Rated Voltage	24	Vdc
Current Consumption (Max)	200 at Rated Voltage	mA
Sound Pressure Level (Min)	105 at 100cm at Rated Voltage	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

PS-551N-12VQ

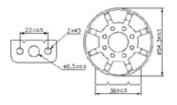


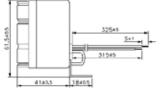
PS-551N-24VQ



Dimensions and Material

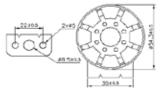
Unit: mm

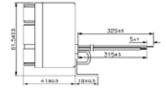




Wire Type

Dimensions and Material





Wire Type

Unit: mm

Electrical Characteristics

Oscillation Frequency	2.8 ± 0.5	KHz
Operating Voltage	5 ~ 15	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	200 at Rated Voltage	mA
Sound Pressure Level (Min)	105 at 100cm at Rated Voltage	dB
Tone / Pulse Rate	Pulse 1.2 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

Oscillation Frequency	2.8 ± 0.5	KHz
Operating Voltage	6 ~ 28	Vdc
Rated Voltage	24	Vdc
Current Consumption (Max)	200 at Rated Voltage	mΑ
Sound Pressure Level (Min)	105 at 100cm at Rated Voltage	dB
Tone / Pulse Rate	Pulse 1.2 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

Piezo Siren (壓電式警報器) / Horn Siren (號角型警報器)

Piezo Siren (壓電式警報器) / Horn Siren (號角型警報器)

PS-553Q



Dimensions and Material Unit: mm

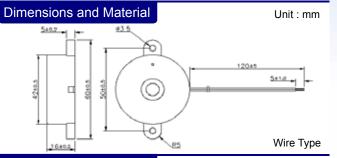
Wire Type

Electrical Characteristics

Oscillation Frequency	1.5 ~ 3.5	KHz
Operating Voltage	5 ~ 15	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	200 at Rated Voltage	mA
Sound Pressure Level (Min)	105 at 100cm at Rated Voltage	dB
Tone / Pulse Rate	Sweep 4.5 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

PS-562Q



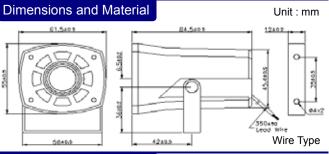


Electrical Characteristics

Oscillation Frequency	2.5 ~ 3.5	KHz
Operating Voltage	5 ~ 15	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	40 at Rated Voltage	mA
Sound Pressure Level (Min)	100 at 100cm at Rated Voltage	dB
Tone / Pulse Rate	Hi / Low 1.2 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

PS-571Q



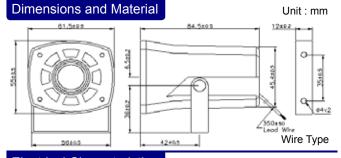


Electrical Characteristics

Oscillation Frequency	2.8 ± 0.5	KHz
Operating Voltage	5 ~ 15	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	200 at Rated Voltage	mA
Sound Pressure Level (Min)	105 at 100cm at Rated Voltage	dB
Tone / Pulse Rate	Pulse 1.2 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

PS-572Q



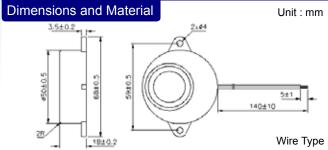


Oscillation Frequency	2.5 ~ 3.5	KHz
Operating Voltage	5 ~ 15	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	200 at Rated Voltage	mA
Sound Pressure Level (Min)	105 at 100cm at Rated Voltage	dB
Tone / Pulse Rate	Hi / Low 1.2 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

Piezo Siren (壓電式警報器) / Horn Siren (號角型警報器)

PS-580Q



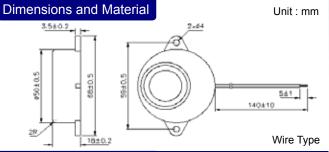


Electrical Characteristics

Oscillation Frequency	2.8 ± 0.5	KHz
Operating Voltage	5 ~ 15	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	150 at Rated Voltage	mA
Sound Pressure Level (Min)	100 at 100cm at Rated Voltage	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

PS-583Q





Electrical Characteristics

Oscillation Frequency	1.5 ~ 3.5	KHz
Operating Voltage	5 ~ 15	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	300 at Rated Voltage	mA
Sound Pressure Level (Min)	100 at 100cm at Rated Voltage	dB
Tone / Pulse Rate	Sweep 3.3 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

PS-593SCQ



Dimensions and Material	Unit : mm
95/40.3 50/40.5 2-4/5 0*0/46.5 3/4.5 90 0*0/46.5 90 0*	\$3455 31049,0 Rea2 5±1.0
2+02	Wire Type

Electrical Characteristics

Oscillation Frequency	1.5 ~ 3.5	KHz
Operating Voltage	5 ~ 15	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	150 at Rated Voltage	mA
Sound Pressure Level (Min)	110 at 100cm at Rated Voltage	dB
Tone / Pulse Rate	Sweep 3.3 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

PS-593DQ

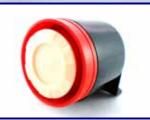


Dimensions and Material		Unit : mm
91010.3 14.5 14.5 7910 F	5340.6 640.2	Wire Type

Oscillation Frequency	1.5 ~ 3.5	KHz
Operating Voltage	5 ~ 15	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	250 at Rated Voltage	mA
Sound Pressure Level (Min)	110 at 100cm at Rated Voltage	dB
Tone / Pulse Rate	Sweep 2.5 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

Piezo Siren (壓電式警報器) / Horn Siren (號角型警報器)

PS-593SL-AQ



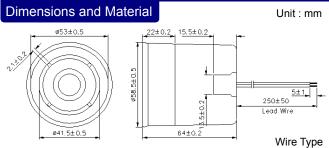
Dimensions and Material Unit: mm Wire Type

Electrical Characteristics

Oscillation Frequency	1.5 ~ 3.5	KHz
Operating Voltage	5 ~ 15	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	250 at Rated Voltage	mA
Sound Pressure Level (Min)	105 at 100cm at Rated Voltage	dB
Tone / Pulse Rate	Sweep 3.3 ± 20%	Hz
Operating Temperature	-20 ~ +7 0	°C
Storage Temperature	-30 ~ +80	°C

PS-620Q





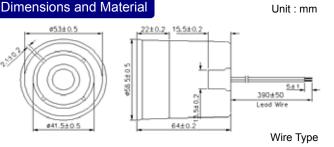
Electrical Characteristics

Oscillation Frequency	3.2 ± 0.5	KHz
Operating Voltage	5 ~ 15	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	300 at Rated Voltage	mA
Sound Pressure Level (Min)	115 at 100cm at Rated Voltage	dB
Tone / Pulse Rate	Constant	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

PS-622Q



Dimensions and Material



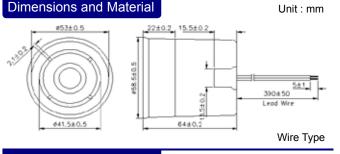
Electrical Characteristics

KHz
Vdc
Vdc
mA
dB
Hz
°C
°C

PS-623Q



Dimensions and Material



Oscillation Frequency	1.5 ~ 3.5	KHz
Operating Voltage	5 ~ 15	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	300 at Rated Voltage	mA
Sound Pressure Level (Min)	115 at 100cm at Rated Voltage	dB
Tone / Pulse Rate	Sweep	Hz
Operating Temperature	-20 ~ +7 0	°C
Storage Temperature	-30 ~ +80	°C

Piezo Siren (壓電式警報器) / Horn Siren (號角型警報器)

PS-623WQ



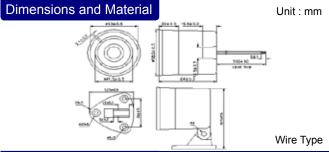
Dimensions and Material Unit:mm 453±0.5 453±0.5 441.5±0.5 Wire Type

Electrical Characteristics

Oscillation Frequency	1.5 ~ 3.5	KHz
Operating Voltage	5 ~ 15	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	300 at Rated Voltage	mA
Sound Pressure Level (Min)	115 at 100cm at Rated Voltage	dB
Tone / Pulse Rate	Sweep	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C
Current Consumption (Max) Sound Pressure Level (Min) Tone / Pulse Rate Operating Temperature	300 at Rated Voltage 115 at 100cm at Rated Voltage Sweep -20 ~ +70	m d

PS-633Q



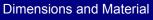


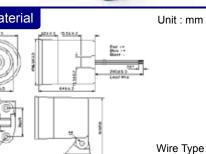
Electrical Characteristics

Oscillation Frequency	1.5 ~ 3.5	KHz
Operating Voltage	5 ~ 15	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	300 at Rated Voltage	mA
Sound Pressure Level (Min)	115 at 100cm at Rated Voltage	dB
Tone / Pulse Rate	Sweep	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

PS-634Q





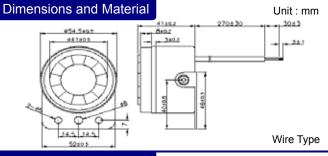


Electrical Characteristics

Oscillation Frequency	3.2 ± 0.5	KHz
Operating Voltage	5 ~ 15	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	300 at Rated Voltage	mA
Sound Pressure Level (Min)	115 at 100cm at Rated Voltage	dB
Tone / Pulse Rate	Constant + Slow Pulse ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

PS-693Q





Oscillation Frequency	1.5 ~ 3.8	KHz
Operating Voltage	5 ~ 15	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	200 at Rated Voltage	mA
Sound Pressure Level (Min)	110 at 100cm at Rated Voltage	dB
Tone / Pulse Rate	Sweep	Hz
Operating Temperature	-10 ~ +55 (10min)	°C
Storage Temperature	-40 ~ +80	°C

Piezo Siren (壓電式警報器) / Horn Siren (號角型警報器)

PS-723BQ



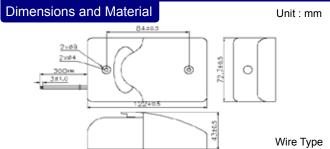
Dimensions and Material Unit: mm

Electrical Characteristics

Oscillation Frequency	2.5 ~ 4.5	KHz
Operating Voltage	5 ~ 15	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	150 at Rated Voltage	mA
Sound Pressure Level (Min)	105 at 100cm at Rated Voltage	dB
Tone / Pulse Rate	Sweep 3.3 ± 20%	Hz
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

PS-913AQ



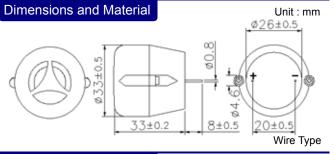


Electrical Characteristics

0 " " =		1.01.1
Oscillation Frequency	1.5 ~ 3.5	KHz
Operating Voltage	5 ~ 15	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	350 at Rated Voltage	mA
Sound Pressure Level (Min)	105 at 100 cm at Rated Voltage	dB
Tone / Pulse Rate	Sweep 3.3 ± 20%	Hz
Operating Temperature	-20 ~ +60	°C
Storage Temperature	-30 ~ +80	°C

PS-953Q



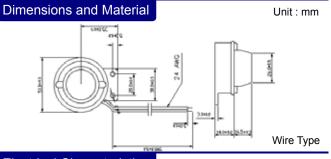


Electrical Characteristics

Oscillation Frequency	1.5 ~ 3.5	KHz
Operating Voltage	5 ~ 15	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	150 at Rated Voltage	mΑ
Sound Pressure Level (Min)	105 at 100 cm at Rated Voltage	dB
Tone / Pulse Rate	Sweep 3.3 ± 20%	Hz
Operating Temperature	-20 ~ +60	°C
Storage Temperature	-30 ~ +80	°C

PS-983Q



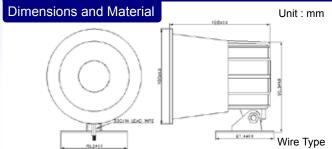


Oscillation Frequency	1.5 ~ 3.5	KHz
Operating Voltage	5 ~ 15	Vdc
Rated Voltage	12	Vdc
Current Consumption (Max)	150 at Rated Voltage	mA
Sound Pressure Level (Min)	105 at 100 cm at Rated Voltage	dB
Tone / Pulse Rate	Sweep 3.3 ± 20%	Hz
Operating Temperature	-20 ~ +60	°C
Storage Temperature	-30 ~ +80	°C

Horn Speaker (號角型喇叭)

PH-110Q



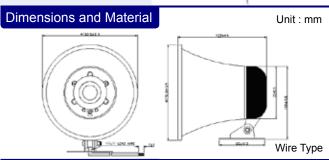


Electrical Characteristics

Oscillation Frequency	0.5 ~ 7	KHz
Impedance	8 ± 2	Ω
Input Power W (RMS)	10	W
Sound Pressure Level (Min)	102 ± 3	dB
Material	ABS Plastic	
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

PH-120Q



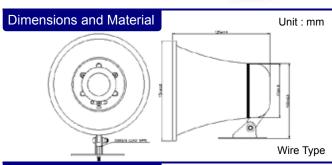


Electrical Characteristics

Oscillation Frequency	0.5 ~ 7	KHz
Impedance	8 ± 2	Ω
Input Power W (RMS)	10	W
Material	Aluminum	
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

PH-125Q



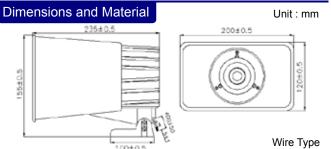


Electrical Characteristics

Oscillation Frequency	0.5 ~ 7	KHz
Impedance (Ω)	8 ± 2	Ω
Input Power W (RMS)	10	W
Material	ABS Plastic	
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

PH-150Q





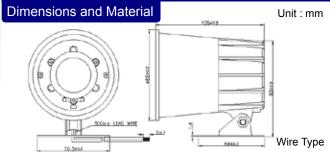
Oscillation Frequency	0.5 ~ 7	KHz
Impedance (Ω)	8 ± 2	Ω
Input Power W (RMS)	30	W
Material	ABS Plastic	
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C
Manual soldering coditionsn	350 ± 20 °C / within 5sec	°C

Horn Speaker (號角型喇叭)

Horn Speaker (號角型喇叭)

PH-180Q



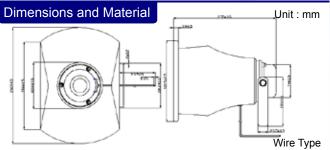


Electrical Characteristics

Oscillation Frequency	0.5 ~ 7	KHz
Impedance (Ω)	8 ± 2	Ω
Input Power W (RMS)	10	W
Material	ABS Plastic	
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

PH-250Q





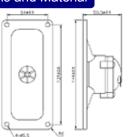
Electrical Characteristics

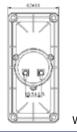
Oscillation Frequency	0.5 ~ 7	KHz
Impedance (Ω)	8 ± 2	Ω
Input Power W (RMS)	25	W
Material	Aluminum	
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

PH-512Q



Dimensions and Material





Wire Type

Unit: mm

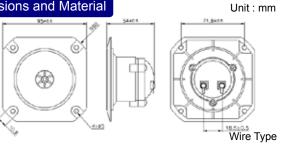
Electrical Characteristics

Oscillation Frequency	3 ~ 15	KHz
Input Power W (RMS)	75	W
Sensitivity	92	dB
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

PH-514Q



Dimensions and Material



Oscillation Frequency	3 ~ 40	KHz
Input Power W (RMS)	75	W
Sensitivity	92	dB
Operating Temperature	-20 ~ +70	°C
Storage Temperature	-30 ~ +80	°C

Mylar Speaker(麥拉喇叭) / Magnet in Plastic Frame(內磁塑膠框)

PSR-11N08S-Q



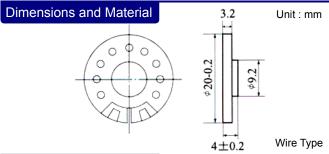
Unit : mm 4.5±0.2 Wire Type

Electrical Characteristics

Voice Coil Impedance (Ω)	8 ± 15% at 800Hz / 1.0V
Rated Input (W)	0.25
Max. Input (W)	Must be normal at 0.30W for one minute
Lowest Resonance Frequency (Hz)(Fo)	1600 ± 20%
Frequency Range (KHz)	fo ~ 9.0
Output S.P.L (dB)	75 ± 3 / at 1W 1M.0.8K,1K,1.2K,1.5KHz
Magnet Size (mm)	Ø 10 × 5 × 1
Core Material(mylar)	Transparent Radial
Frame Material	Plastic

PSR-20N08S-Q



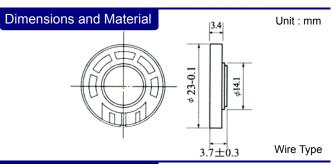


Electrical Characteristics

Voice Coil Impedance (Ω)	8 ± 15% at 800Hz / 1.0V
Rated Input (W)	0.25
Max. Input (W)	Must be normal at 0.30W for one minute
Lowest Resonance Frequency (Hz)(Fo)	1200 ± 20%
Frequency Range (KHz)	fo ~ 7.0
Output S.P.L (dB)	81 ± 3 / at 1W 1M.0.8K,1K,1.2K,1.5KHz
Magnet Size (mm)	Ø 8 × 1
Core Material(mylar)	Transparent
Frame Material	Plastic

PSR-23N08S-Q



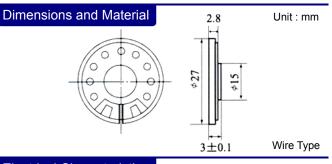


Electrical Characteristics

Voice Coil Impedance (Ω)	8 ± 15% at 800Hz / 1.0V
Rated Input (W)	0.25
Max. Input (W)	Must be normal at 0.30W for one minute
Lowest Resonance	1000 ± 20%
Frequency (Hz)(Fo)	
Frequency Range (KHz)	fo ~ 5.0
Output S.P.L (dB)	83 ± 3 / at 1W 1M.0.8K,1K,1.2K,1.5KHz
Magnet Size (mm)	Ø 9.5 × 1.5
Core Material(mylar)	Transparent
Frame Material	Plastic

PSR-27N08S-Q





Voice Coil Impedance (Ω)	8 ± 15% at 800Hz / 1.0V
Rated Input (W)	0.25
Max. Input (W)	Must be normal at 0.30W for one minute
Lowest Resonance	750 ± 20%
Frequency (Hz)(Fo)	. 00 = =0 /0
Frequency Range (KHz)	fo ~ 7.0
Output S.P.L (dB)	75 ± 3 / at 1W 1M.0.8K,1K,1.2K,1.5KHz
Magnet Size (mm)	Ø 9.5 × 1.0
Core Material(mylar)	Transparent Radial
Frame Material	Plastic

Mylar Speaker(麥拉喇叭) / Magnet in Plastic Frame(內磁塑膠框)

PSR-27N08S01-Q



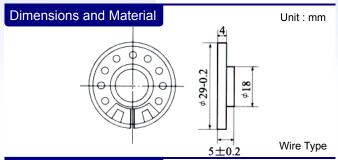
Dimensions and Material Unit: mm

Electrical Characteristics

Voice Coil Impedance (Ω)	8 ± 15% at 800Hz / 1.0V
Rated Input (W)	0.25
Max. Input (W)	Must be normal at 0.50W for one minute
Lowest Resonance Frequency (Hz)(Fo)	750 ± 20%
Frequency Range (KHz)	fo ~ 7.0
Output S.P.L (dB)	84 ± 3 / at 1W 1M.0.8K,1K,1.2K,1.5KHz
Magnet Size (mm)	Ø 12.5 × 1.5
Core Material(mylar)	Transparent Radial
Frame Material	Plastic

PSR-29N08S-Q





Electrical Characteristics

Voice Coil Impedance (Ω)	8 ± 15% at 800Hz/1.0V
Rated Input (W)	0.25
Max. Input (W)	Must be normal at 0.50W for one minute
Lowest Resonance	800 ± 20%
Frequency (Hz)(Fo)	
Frequency Range (KHz)	fo ~ 6.0
Output S.P.L (dB)	84 ± 3 / at 1W 1M.0.8K,1K,1.2K,1.5KHz
Magnet Size (mm)	Ø 12.5 × 1.5
Core Material(mylar)	Transparent Radial
Frame Material	Plastic

PSR-29N08S01-Q



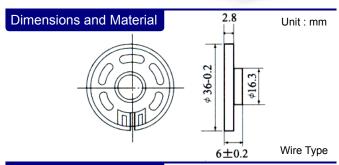
Unit : mm

Electrical Characteristics

Voice Coil Impedance (Ω)	8 ± 15% at 800Hz / 1.0V
Rated Input (W)	0.25
Max. Input (W)	Must be normal at 0.50W for one minute
Lowest Resonance	600 ± 20%
Frequency (Hz)(Fo)	000 ± 20 /0
Frequency Range (KHz)	fo ~ 5.5
Output S.P.L (dB)	82 ± 3 / at 1W 1M.0.8K,1K,1.2K,1.5KHz
Magnet Size (mm)	Ø 9.5 × 1.5
Core Material(mylar)	Transparent Radial
Frame Material	Plastic

PSR-36N08S-Q





Voice Coil Impedance (Ω)	8 ± 15% at 800Hz / 1.0V
Rated Input (W)	0.25
Max. Input (W)	Must be normal at 0.50W for one minute
Lowest Resonance	500 ± 20%
Frequency (Hz)(Fo)	
Frequency Range (KHz)	fo ~ 3.0
Output S.P.L (dB)	84 ± 3 / at 1W 1M.0.8K,1K,1.2K,1.5KHz
Magnet Size (mm)	Ø 9.5 × 1.5
Core Material(mylar)	Transparent
Frame Material	Plastic

Mylar Speaker(麥拉喇叭) / Magnet in Plastic Frame(內磁塑膠框)

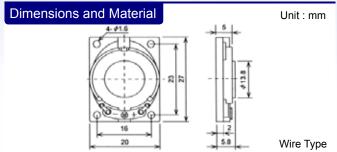
PSR-40N08S-Q



Dimensions and Material 3.6 Unit:mm 4.3±0.1 Wire Type

PSR-2027N08S-Q





Electrical Characteristics

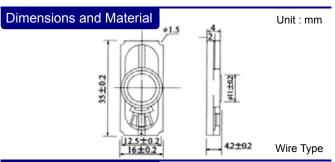
Voice Coil Impedance (Ω)	8 ± 15% at 800Hz / 1.0V
Rated Input (W)	0.25
Max. Input (W)	Must be normal at 0.50W for one minute
Lowest Resonance Frequency (Hz)(Fo)	700 ± 20%
Frequency Range (KHz)	fo ~ 6.0
Output S.P.L (dB)	89 ± 3 / at 1W 1M.0.8K,1K,1.2K,1.5KHz
Magnet Size (mm)	Ø 12.5 × 1.5
Core Material(mylar)	Transparent
Frame Material	Plastic

Electrical Characteristics

Voice Coil Impedance (Ω)	8 ± 15% at 800Hz / 1.0V
Rated Input (W)	0.25
Max. Input (W)	Must be normal at 0.50W for one minute
Lowest Resonance Frequency (Hz)(Fo)	750 ± 20%
Frequency Range (KHz)	fo ~ 5.0
Output S.P.L (dB)	81 ± 3 / at 1W 1M.0.8K,1K,1.2K,1.5KHz
Magnet Size (mm)	Ø 10.5 × 2.0
Core Material(mylar)	Black
Frame Material	Plastic

PSR-3516N08S-Q





PSR-2512N04S-Q



Dimensions and Material Unit: mm Wire Type

Electrical Characteristics

Voice Coil Impedance (Ω)	8 ± 15% at 800Hz / 1.0V
Rated Input (W)	0.25
Max. Input (W)	Must be normal at 0.50W for one minute
Lowest Resonance	750 ± 20%
Frequency (Hz)(Fo)	
Frequency Range (KHz)	fo ~ 5.0
Output S.P.L (dB)	76 ± 3 / at 1W 1M.0.8K,1K,1.2K,1.5KHz
Magnet Size (mm)	Ø 8.0 × 1.0
Core Material(mylar)	Black
Frame Material	Plastic

Voice Coil Impedance (Ω)	4Ω ± 15% at 2000Hz / 1.0V
Rated Input (W)	1.0W
Max. Input (W)	Must be normal at 1.5W for one minute
Lowest Resonance Frequency (Hz)(Fo)	1200Hz ± 20% at 1.0V
Frequency Range (KHz)	fo ~ 20KHz
Output S.P.L (dB)	75 ± 3dB /1W 1M at 1.0,1.2,1.5,2.0KHz
Magnet Size (mm)	Ø 8.0 × 1.5
Core Material(mylar)	Cloth
Frame Material	Plastic

Mylar Speaker(麥拉喇叭) / Magnet out Plastic Frame(外磁塑膠框)

PSR-15F08S01-Q



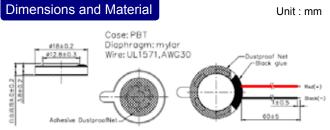
Dimensions and Material Unit: mm

Electrical Characteristics

Voice Coil Impedance (Ω)	8Ω ± 15% at 2000Hz / 1.0V
Rated Input (W)	0.8W
Max. Input (W)	Must be normal at 1.0W for one minute
Lowest Resonance Frequency (Hz)(Fo)	850Hz ± 20% at 1.0V
Frequency Range (Hz)	fo ~ 20KHz
Output S.P.L (dB)	88±3dB/0.1W 0.1M at 0.8,1.0,1.2,1.5KHz
Distortion	Less than 10% at 1KHz (input 0.8W)
Load Test	White Noise 0.8W,96 Hrs

PSR-18F32S01-Q





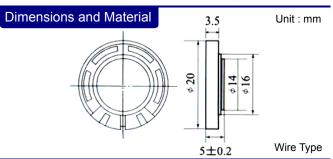
Wire Type

Electrical Characteristics

Voice Coil Impedance (Ω)	32ohm ± 15% at 1500 Hz
Rated Input (W)	0.2W
Max. Input (W)	Must be normal at 0.4Wfor one minute
Lowest Resonance Frequency (Hz)(Fo)	1000 Hz ± 20% at Fo / 1.0V
Frequency Range (Hz)	fo ~ 20KHz
Output S.P.L (dB)	92dB(0.1W/0.05m) ± 3 dB at AVE 1.0K 1.2K 1.5K 2.0KHz
Magnet Size (mm)	Ø 9.5 × 1.2

PSR-20F08S-Q



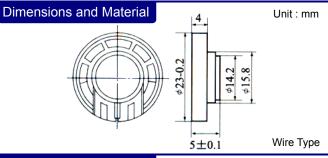


Electrical Characteristics

Voice Coil Impedance (Ω)	8 ± 15% at 800Hz / 1.0V
Rated Input (W)	0.25
Max. Input (W)	Must be normal at 0.30W for one minute
Lowest Resonance	1300 ± 20%
Frequency (Hz)(Fo)	
Frequency Range (KHz)	fo ~ 6.0
Output S.P.L (dB)	80 ± 3 / at 1W 1M.0.8K,1K,1.2K,1.5KHz
Magnet Size (mm)	Ø 16.0 × 1.9
Core Material(mylar)	Transparent
Frame Material	Plastic

PSR-23F08S-Q





Voice Coil Impedance (Ω)	8 ± 15% at 800Hz/1.0V
Rated Input (W)	0.25
Max. Input (W)	Must be normal at 0.30W for one minute
Lowest Resonance	900 ± 20%
Frequency (Hz)(Fo)	
Frequency Range (KHz)	fo ~ 6.5
Output S.P.L (dB)	81 ± 3 / at 1W 1M.0.8K,1K,1.2K,1.5KHz
Magnet Size (mm)	Ø 16.0 × 1.9
Core Material(mylar)	Transparent
Frame Material	Plastic

Mylar Speaker(麥拉喇叭) / Magnet out Plastic Frame(外磁塑膠框)

PSR-23F16S01-Q

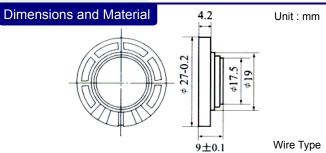


Dimensions and Material Unit: mm Case: PBT Diophragm: Mylar Wire: UL1571, AWG30 Ashesive Dustreoffet

Wire Type

PSR-27F08S-Q





Electrical Characteristics

Voice Coil Impedance (Ω)	16 ohm ± 15% at 1500 Hz
Rated Input (W)	0.4W
Max. Input (W)	Must be normal at 0.6Wfor one minute
Lowest Resonance Frequency (Hz)(Fo)	850 Hz ± 20% at Fo, 1V
Frequency Range (Hz)	fo ~ 20K
Output S.P.L (dB)	92dB(0.1W/0.05m) ± 3 dB at AVE0.8K 1.0K 1.2 K1.5KHz
Magnet Size (mm)	Ø 11.0 × 1.2

Electrical Characteristics

Voice Coil Impedance (Ω)	8 ± 15% at 800Hz / 1.0V
Rated Input (W)	0.25
Max. Input (W)	Must be normal at 0.50W for one minute
Lowest Resonance Frequency (Hz)(Fo)	1000 ± 20%
Frequency Range (KHz)	fo ~ 7.0
Output S.P.L (dB)	83 ± 3 / at 1W 1M.0.8K,1K,1.2K,1.5KHz
Magnet Size (mm)	Ø 17.5 × 5.0
Core Material(mylar)	Transparent
Frame Material	Plastic

PSR-29F08S-Q



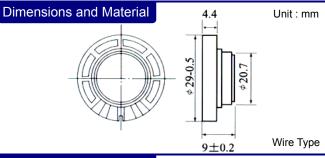
Unit : mm

Electrical Characteristics

Voice Coil Impedance (Ω)	8 ± 15% at 800Hz / 1.0V
Rated Input (W)	0.25
Max. Input (W)	Must be normal at 0.50W for one minute
Lowest Resonance	900 ± 20%
Frequency (Hz)(Fo)	
Frequency Range (KHz)	fo ~ 5.0
Output S.P.L (dB)	85 ± 3 / at 1W 1M.0.8K,1K,1.2K,1.5KHz
Magnet Size (mm)	Ø 16.0 × 5.0
Core Material(mylar)	Transparent
Frame Material	Plastic

PSR-29F08S02-Q





Voice Coil Impedance (Ω)	8 ± 15% at 800Hz / 1.0V
Rated Input (W)	0.25
Max. Input (W)	Must be normal at 0.50W for one minute
Lowest Resonance	800 ± 20%
Frequency (Hz)(Fo)	
Frequency Range (KHz)	fo ~ 4.5
Output S.P.L (dB)	84 ± 3 / at 1W 1M.0.8K,1K,1.2K,1.5KHz
Magnet Size (mm)	Ø 21.0 × 5.0
Core Material(mylar)	Transparent
Frame Material	Plastic

Mylar Speaker(麥拉喇叭) / Magnet out Plastic Frame(外磁塑膠框)

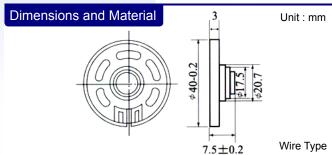
PSR-36F08S-Q



Dimensions and Material 4.6 Unit : mm 9±0.2 Wire Type

PSR-40F08S02-Q





Electrical Characteristics

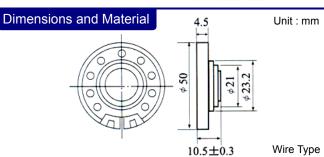
Voice Coil Impedance (Ω)	8 ± 15% at 800Hz / 1.0V
Rated Input (W)	0.25
Max. Input (W)	Must be normal at 0.30W for one minute
Lowest Resonance Frequency (Hz)(Fo)	550 ± 20%
Frequency Range (KHz)	fo ~ 5.0
Output S.P.L (dB)	87 ± 3 / at 1W 1M.0.8K,1K,1.2K,1.5KHz
Magnet Size (mm)	Ø 21.0 × 5.0
Core Material(mylar)	Transparent Radial
Frame Material	Plastic

Electrical Characteristics

Voice Coil Impedance (Ω)	8 ± 15% at 800Hz / 1.0V
Rated Input (W)	0.25
Max. Input (W)	Must be normal at 0.50W for one minute
Lowest Resonance Frequency (Hz)(Fo)	800 ± 20%
Frequency Range (KHz)	fo ~ 5.0
Output S.P.L (dB)	86 ± 3 / at 1W 1M.0.8K,1K,1.2K,1.5KHz
Magnet Size (mm)	Ø 17.5 × 3.0
Core Material(mylar)	Transparent Radial
Frame Material	Plastic

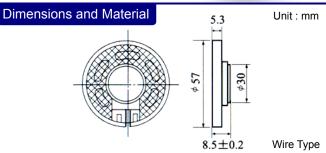
PSR-50F08S-Q





PSR-57F08S-Q





Electrical Characteristics

Voice Coil Impedance (Ω)	8 ± 15% at 800Hz / 1.0V
Rated Input (W)	0.25
Max. Input (W)	Must be normal at 0.50W for one minute
Lowest Resonance	500 ± 20%
Frequency (Hz)(Fo)	
Frequency Range (KHz)	fo ~ 5.0
Output S.P.L (dB)	91 ± 3 / at 1W 1M.0.8K,1K,1.2K,1.5KHz
Magnet Size (mm)	Ø 21.0 × 5.0
Core Material(mylar)	Paper
Frame Material	Plastic

Electrical orial acteristics	
Voice Coil Impedance (Ω)	8 ± 15% at 800Hz / 1.0V
Rated Input (W)	0.25
Max. Input (W)	Must be normal at 0.50W for one minute
Lowest Resonance Frequency (Hz)(Fo)	350 ± 20%
Frequency Range (KHz)	fo ~ 4.5
Output S.P.L (dB)	82 ± 3 / at 1W 1M.0.8K,1K,1.2K,1.5KHz
Magnet Size (mm)	Ø 27.0 × 17.0 × 3.0
Core Material(mylar)	Transparent
Frame Material	Plastic

Mylar Speaker(麥拉喇叭) / Magnet in Metal Frame(內磁金屬框)

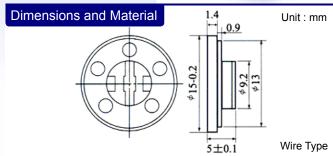
PSR-13N08A-Q



Dimensions and Material 1.4 Unit : mm 5±0.1 Wire Type

PSR-15N08A-Q





Electrical Characteristics

8 ± 15% at 800Hz / 1.0V
0.25
Must be normal at 0.30W for one minute
1800 ± 2 0%
fo ~ 7.0
75 ± 3 / at 1W 1M.0.8K,1K,1.2K,1.5KHz
Ø 6.5 × 1.5
Transparent
Metal

Electrical Characteristics

Voice Coil Impedance (Ω)	8 ± 15% at 800Hz / 1.0V
Rated Input (W)	0.25
Max. Input (W)	Must be normal at 0.30W for one minute
Lowest Resonance Frequency (Hz)(Fo)	1100 ± 20%
Frequency Range (KHz)	fo ~ 5.5
Output S.P.L (dB)	76 ± 3 / at 1W 1M.0.8K,1K,1.2K,1.5KHz
Magnet Size (mm)	Ø 6.5 × 1.5
Core Material(mylar)	Transparent
Frame Material	Metal

PSR-16N08A-Q



imanajana and Material

Unit : mm

PSR-18N08A-Q



	4	Wire Type
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Electrical Characteristics

Voice Coil Impedance (Ω)	8 ± 15% at 800Hz / 1.0V
Rated Input (W)	0.25
Max. Input (W)	Must be normal at 0.30W for one minute
Lowest Resonance	1300 ± 20%
Frequency (Hz)(Fo)	1000 ± 2070
Frequency Range (KHz)	fo ~ 8.0
Output S.P.L (dB)	78 ± 3 / at 1W 1M.0.8K,1K,1.2K,1.5KHz
Magnet Size (mm)	Ø 6.5 × 0.5
Core Material(mylar)	Transparent Radial
Frame Material	Metal

Voice Coil Impedance (Ω)	8 ± 15% at 800Hz / 1.0V
Rated Input (W)	0.25
Max. Input (W)	Must be normal at 0.30W for one minute
Lowest Resonance	1800 ± 20%
Frequency (Hz)(Fo)	1000 ± 20 /0
Frequency Range (KHz)	fo ~ 4.0
Output S.P.L (dB)	84 ± 3 / at 1W 1M.0.8K,1K,1.2K,1.5KHz
Magnet Size (mm)	Ø 8.0 × 1.0
Core Material(mylar)	Black
Frame Material	Metal

Mylar Speaker(麥拉喇叭) / Magnet in Metal Frame(內磁金屬框)

PSR-20N08A-Q

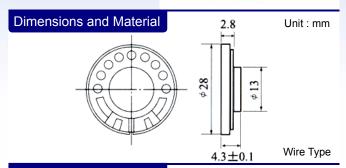


Dimensions and Material 2 70 81 3±0.1 Unit : mm Wire Type

Voice Coil Impedance (Ω)	8 ± 15% at 800Hz / 1.0V
Rated Input (W)	0.25
Max. Input (W)	Must be normal at 0.30W for one minute
Lowest Resonance Frequency (Hz)(Fo)	900 ± 20%
Frequency Range (KHz)	fo ~ 5.0
Output S.P.L (dB)	80 ± 3 / at 1W 1M.0.8K,1K,1.2K,1.5KHz
Magnet Size (mm)	Ø 8.0 × 1.0
Core Material(mylar)	Black
Frame Material	Metal

PSR-28N08A-Q





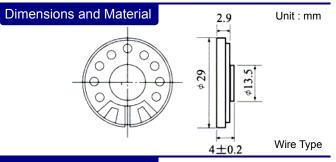
Electrical Characteristics

Voice Coil Impedance (Ω)	8 ± 15% at 800Hz / 1.0V
Rated Input (W)	0.25
Max. Input (W)	Must be normal at 0.50W for one minute
Lowest Resonance Frequency (Hz)(Fo)	700 ± 20%
Frequency Range (KHz)	fo ~ 8.0
Output S.P.L (dB)	89 ± 3 / at 1W 1M.0.8K,1K,1.2K,1.5KHz
Magnet Size (mm)	Ø 9.5 × 1.5
Core Material(mylar)	Black
Frame Material	Metal

PSR-29N08A-Q

Electrical Characteristics



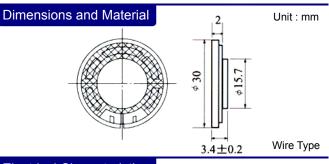


Electrical Characteristics

Voice Coil Impedance (Ω)	8 ± 15% at 800Hz / 1.0V
Rated Input (W)	0.25
Max. Input (W)	Must be normal at 0.50W for one minute
Lowest Resonance	700 ± 20%
Frequency (Hz)(Fo)	700 ± 2070
Frequency Range (KHz)	fo ~ 7.5
Output S.P.L (dB)	86 ± 3 / at 1W 1M.0.8K,1K,1.2K,1.5KHz
Magnet Size (mm)	Ø 9.5 × 1.5
Core Material(mylar)	Black
Frame Material	Metal

PSR-30N08A-Q





Voice Coil Impedance (Ω)	8 ± 15% at 1.0V 800Hz
Rated Input (W)	0.25
Max. Input (W)	0.30
Lowest Resonance	700 ± 20%
Frequency (Hz)(Fo)	700 1 2070
Frequency Range (KHz)	fo ~ 8.0
Output S.P.L (dB)	85 ± 3 / at 1W 1M.0.8K,1K,1.2K,1.5KHz
Magnet Size (mm)	Ø 12.5 × 1.5
Core Material(mylar)	Black
Frame Material	Metal

Mylar Speaker(麥拉喇叭) / Magnet in Metal Frame(內磁金屬框)

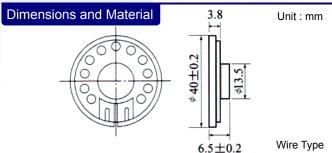
PSR-36N08A-Q



Unit : mm

PSR-40N08A01-Q





Electrical Characteristics

Voice Coil Impedance (Ω)	8 ± 15% at 1.0V 800Hz
Rated Input (W)	0.25
Max. Input (W)	0.50
Lowest Resonance Frequency (Hz)(Fo)	550 ± 20%
Frequency Range (KHz)	fo ~ 7.0
Output S.P.L (dB)	89 ± 3 / at 1W 1M.0.8K,1K,1.2K,1.5KHz
Magnet Size (mm)	Ø 12.5 × 1.5
Core Material(mylar)	Black
Frame Material	Metal

Electrical Characteristics

Voice Coil Impedance (Ω)	8 ± 15% at 1.0V 800Hz
Rated Input (W)	0.25
Max. Input (W)	0.50
Lowest Resonance Frequency (Hz)(Fo)	500 ± 20%
Frequency Range (KHz)	fo ~ 4.5
Output S.P.L (dB)	86 ± 3 / at 1W 1M.0.8K,1K,1.2K,1.5KHz
Magnet Size (mm)	Ø 9.5 × 1.5
Core Material(mylar)	Black Radial
Frame Material	Metal

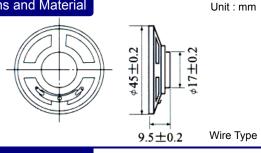
PSR-45N08A-Q



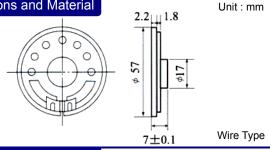
PSR-57N08A01-Q



Dimensions and Material



Dimensions and Material



Electrical Characteristics

V : 0 !!! (0)	0:450/ 14.0\/.00011
Voice Coil Impedance (Ω)	8±15% at 1.0V 800Hz
Rated Input (W)	0.25
Max. Input (W)	0.5
Lowest Resonance	900 ±20%
Frequency (Hz)(Fo)	900 ±20 /6
Frequency Range (KHz)	fo ~ 6.0
Output S.P.L (dB)	91±3/ at 1W 1M.0.8K,1K,1.2K,1.5KHz
Magnet Size (mm)	Ø 12.5 × 1.5
Core Material(mylar)	Paper
Magnet Structure	Internal Magnet

Voice Coil Impedance (Ω)	8 ± 15% at 1.0V 800Hz
Rated Input (W)	0.25
Max. Input (W)	1.0
Lowest Resonance	600 ± 20%
Frequency (Hz)(Fo)	
Frequency Range (KHz)	fo ~ 4.0
Output S.P.L (dB)	92 ± 3 / at 1W 1M.0.8K,1K,1.2K,1.5KHz
Magnet Size (mm)	Ø 12.5 × 1.5
Core Material(mylar)	Paper
Frame Material	Metal

Mylar Speaker(麥拉喇叭) / Magnet out Metal Frame(外磁金屬框)

Wire Type

PSR-40F08A-Q

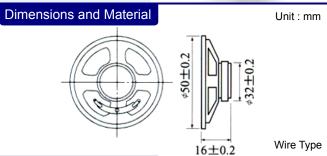


14±0.2

Dimensions and Material Unit : mm

PSR-50F08A01-Q





Electrical Characteristics

Voice Coil Impedance (Ω)	8 ± 15% at 1.0V 800Hz
Rated Input (W)	0.25
Max. Input (W)	0.5
Lowest Resonance Frequency (Hz)(Fo)	750 ± 20%
Frequency Range (KHz)	fo ~ 6.0
Output S.P.L (dB)	86 ± 3 / at 1W 1M.0.8K,1K,1.2K,1.5KHz
Magnet Size (mm)	Ø 32.0 × 18.0 × 6.0
Core Material(mylar)	Paper
Magnet Structure	External Magnet

Electrical Characteristics

Voice Coil Impedance (Ω)	8 ± 15% at 1.0V 800Hz
Rated Input (W)	0.25
Max. Input (W)	0.50
Lowest Resonance Frequency (Hz)(Fo)	600 ± 20%
Frequency Range (KHz)	fo ~ 4.5
Output S.P.L (dB)	90 ± 3 / at 1W 1M.0.8K,1K,1.2K,1.5KHz
Magnet Size (mm)	Ø 32.0 × 18.0 × 6.0
Core Material(mylar)	Paper
Magnet Structure	External Magnet

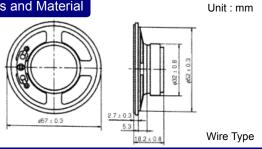
PSR-57F08A-Q



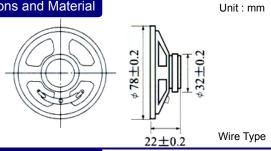
PSR-78F08A02-Q



Dimensions and Material



Dimensions and Material



Electrical Characteristics

Voice Coil Impedance (Ω)	8 ± 15%
Rated Input (W)	0.25W
Max. Input (W)	Must be normal at 0.5 Wfor one minute
Lowest Resonance	450 ± 20%
Frequency (Hz)(Fo)	
Frequency Range (KHz)	fo ~ 4.0
Output S.P.L (dB)	85 ± 3 / W at AVE 0.8K,1K,1.2K,1.5KHz
Magnet Size (mm)	Ø 32.0 × 18.0 × 6.0
Core Material(mylar)	Paper
Frame Material	Metal

Voice Coil Impedance (Ω)	8 ± 15% at 1.0V 800Hz
Rated Input (W)	1.0
Max. Input (W)	2.0
Lowest Resonance	350 ± 20%
Frequency (Hz)(Fo)	
Frequency Range (KHz)	fo ~ 5.0
Output S.P.L (dB)	91 ± 3 / at 1W 1M.0.8K,1K,1.2K,1.5KHz
Magnet Size (mm)	Ø 32.0 × 18.0 × 6.0
Core Material(mylar)	Paper
Magnet Structure	External Magnet

Mini Microphone / Omni-direction (全指向性麥克風)

PMO-4015PN-Q



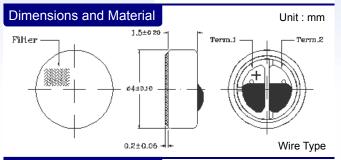
Dimensions and Material Unit: mm Filter 1 5±0,16 1 5±0,06 1 5±0,06 1 5±0,06 Term.1 (Output Pin Type

Electrical Characteristics

Sanaitivity Bango	-44 / 46 / 48 / 50 ± 3dB
Sensitivity Range	RL=2.2KΩ VCC=2.0V(1KHz 0dB=1V/Pa)
Impedance	Max .2.2KΩ 1KHz (RL=2.2KΩ)
Frequency	20-16000 Hz
Current Consumption	Max.0.5mA
Operation Voltage Range	1.0V-10V
Sound Pressure Level	120dB S.P.L
S/N Ratio	More than 58dB
Sensitivity Reduction	2.0V-1.5V
Sensitivity Reduction	Sensitivity Variation less than 3dB

PMO-4015SN-Q





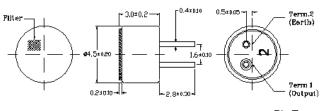
Electrical Characteristics

Sensitivity Range	-44 / 46 / 48 / 50 ± 3dB RL=2.2KΩ VCC=2.0V(1KHz 0dB=1V/Pa)
Impedance	Max .2.2KΩ 1KHz (RL=2.2KΩ)
Frequency	20-16000 Hz
Current Consumption	Max.0.5mA
Operation Voltage Range	1.0V-10V
Sound Pressure Level	120dB S.P.L
S/N Ratio	More than 58dB
Sensitivity Reduction	2.0V-1.5V Sensitivity Variation less than 3dB

PMO-4530PN-Q



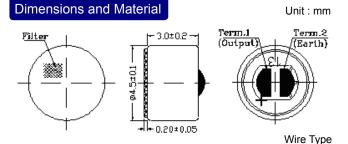
Dimensions and Material



Pin Type

Unit: mm

PMO-4530SN-Q



Electrical Characteristics

Electrical Characteristics	
Sensitivity Range	-44 / 46 / 48 / 50 ± 3dB
	RL=2.2KΩ VCC=2.0V(1KHz 0dB=1V/Pa)
Impedance	Max .2.2KΩ 1KHz (RL=2.2KΩ)
Frequency	20-16000 Hz
Current Consumption	Max.0.5mA
Operation Voltage Range	1.0V-10V
Sound Pressure Level	120dB S.P.L
S/N Ratio	More than 58dB
Sensitivity Reduction	2.0V-1.5V
	Sensitivity Variation less than 3dB

Sensitivity Range	-44 / 46 / 48 / 50 ± 3dB
	RL=2.2KΩ VCC=2.0V(1KHz 0dB=1V/Pa)
Impedance	Max .2.2KΩ 1KHz (RL=2.2KΩ)
Frequency	20-16000 Hz
Current Consumption	Max.0.5mA
Operation Voltage Range	1.0V-10V
Sound Pressure Level	120dB S.P.L
S/N Ratio	More than 58dB
Sensitivity Reduction	2.0V-1.5V
	Sensitivity Variation less than 3dB

Mini Microphone / Omni-direction (全指向性麥克風)

PMO-6011PN-Q



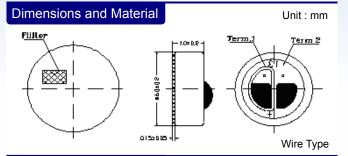
Dimensions and Material Unit: mm 2.8±0.2 |--0 1.9±0.1 0.4±0.05 Pin Type

Electrical Characteristics

Sensitivity Range	-42 / 44 / 46 / 48 ± 3dB RL=2.2KΩ VCC=2.0V(1KHz 0dB=1V/Pa)
Impedance	Max .2.2KΩ 1KHz (RL=2.2KΩ)
Frequency	20-16000 Hz
Current Consumption	Max.0.5mA
Operation Voltage Range	1.0V-10V
Sound Pressure Level	120dB S.P.L
S/N Ratio	More than 58dB
Sensitivity Reduction	2.0V-1.5V Sensitivity Variation less than 3dB

PMO-6011SN-Q





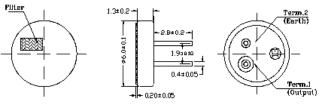
Electrical Characteristics

Sensitivity Range	-42 / 44 / 46 / 48 ± 3dB RL=2.2KΩ VCC=2.0V(1KHz 0dB=1V/Pa)
Impedance	Max .2.2KΩ 1KHz (RL=2.2KΩ)
Frequency	20-16000 Hz
Current Consumption	Max.0.5mA
Operation Voltage Range	1.0V-10V
Sound Pressure Level	120dB S.P.L
S/N Ratio	More than 58dB
Sensitivity Reduction	2.0V-1.5V Sensitivity Variation less than 3dB

PMO-6013PN-Q



Dimensions and Material 1.3±0.2



Pin Type

Unit: mm

Fillter

Electrical Characteristics	
Sensitivity Range	-42 / 44 / 46 / 48 ± 3dB
31	RL=2.2KΩ VCC=2.0V(1KHz 0dB=1V/Pa)
Impedance	Max .2.2KΩ 1KHz (RL=2.2KΩ)
Frequency	20-16000 Hz
Current Consumption	Max.0.5mA
Operation Voltage Range	1.0V-10V
Sound Pressure Level	120dB S.P.L
S/N Ratio	More than 58dB
Sensitivity Reduction	2.0V-1.5V
	Sensitivity Variation less than 3dB
	•

Electrical Characteristics

Sensitivity Range	-42 / 44 / 46 / 48 ± 3dB RL=2.2KΩ VCC=2.0V(1KHz 0dB=1V/Pa)
Impedance	Max .2.2KΩ 1KHz (RL=2.2KΩ)
Frequency	20-16000 Hz
Current Consumption	Max.0.5mA
Operation Voltage Range	1.0V-10V
Sound Pressure Level	120dB S.P.L
S/N Ratio	More than 58dB
Sensitivity Reduction	2.0V-1.5V Sensitivity Variation less than 3dB

PMO-6013SN-Q

Dimensions and Material



Unit: mm

Term.2

- Term.1

Wire Type

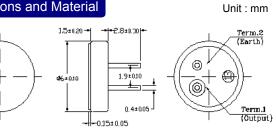
Mini Microphone / Omni-direction (全指向性麥克風)

Pin Type

PMO-6015PN-Q



Dimensions and Material



Electrical Characteristics

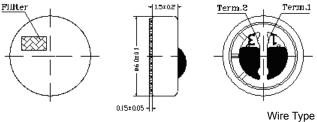
Sensitivity Range	-42 / 44 / 46 / 48 ± 3dB
	RL=2.2KΩ VCC=2.0V(1KHz 0dB=1V/Pa)
Impedance	Max .2.2KΩ 1KHz (RL=2.2KΩ)
Frequency	20-16000 Hz
Current Consumption	Max.0.5mA
Operation Voltage Range	1.0V-10V
Sound Pressure Level	120dB S.P.L
S/N Ratio	More than 58dB
Sensitivity Reduction	2.0V-1.5V
	Sensitivity Variation less than 3dB

PMO-6015SN-Q



Unit: mm Term.1

Dimensions and Material



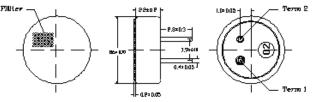
Electrical Characteristics

Sensitivity Range	-42 / 44 / 46 / 48 ± 3dB RL=2.2KΩ VCC=2.0V(1KHz 0dB=1V/Pa)
Impedance	Max .2.2KΩ 1KHz (RL=2.2KΩ)
Frequency	20-16000 Hz
Current Consumption	Max.0.5mA
Operation Voltage Range	1.0V-10V
Sound Pressure Level	120dB S.P.L
S/N Ratio	More than 58dB
Sensitivity Reduction	2.0V-1.5V Sensitivity Variation less than 3dB

PMO-6022PN-Q



Dimensions and Material



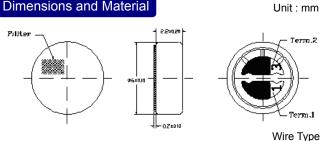
Pin Type

Unit: mm

PMO-6022SN-Q



Dimensions and Material



Electrical Characteristics

Electrical Characteristics	
Sensitivity Range	-38 / 40 / 42 / 44 / 46 / 48 ± 3dB RL=2.2KΩ VCC=2.0V(1KHz 0dB=1V/Pa)
Impedance	Max .2.2KΩ 1KHz (RL=2.2KΩ)
Frequency	20-16000 Hz
Current Consumption	Max.0.5mA
Operation Voltage Range	1.0V-10V
Sound Pressure Level	120dB S.P.L
S/N Ratio	More than 58dB
Sensitivity Reduction	2.0V-1.5V Sensitivity Variation less than 3dB

Sensitivity Range	-38 / 40 / 42 / 44 / 46 / 48 ± 3dB
	RL=2.2KΩ VCC=2.0V(1KHz 0dB=1V/Pa)
Impedance	Max .2.2KΩ 1KHz (RL=2.2KΩ)
Frequency	20-16000 Hz
Current Consumption	Max.0.5mA
Operation Voltage Range	1.0V-10V
Sound Pressure Level	120dB S.P.L
S/N Ratio	More than 58dB
Sensitivity Reduction	2.0V-1.5V
	Sensitivity Variation less than 3dB

Mini Microphone / Omni-direction (全指向性麥克風)

PMOF-6027P-Q

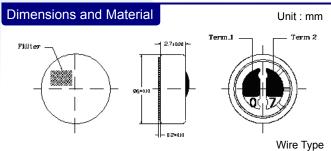


Electrical Characteristics

Sensitivity Range	-38 / 40 / 42 / 44 / 46 / 48 ± 3dB
	RL=2.2KΩ VCC=2.0V(1KHz 0dB=1V/Pa)
Impedance	Max .2.2KΩ 1KHz (RL=2.2KΩ)
Frequency	20-16000 Hz
Current Consumption	Max.0.5mA
Operation Voltage Range	1.0V-10V
Sound Pressure Level	120dB S.P.L
S/N Ratio	More than 58dB
Sensitivity Reduction	2.0V-1.5V
	Sensitivity Variation less than 3dB

PMOF-6027S-Q





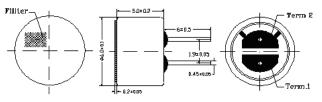
Electrical Characteristics

Sensitivity Range	-38 / 40 / 42 / 44 / 46 / 48 ± 3dB
	RL=2.2KΩ VCC=2.0V(1KHz 0dB=1V/Pa)
Impedance	Max .2.2KΩ 1KHz (RL=2.2KΩ)
Frequency	20-16000 Hz
Current Consumption	Max.0.5mA
Operation Voltage Range	1.0V-10V
Sound Pressure Level	120dB S.P.L
S/N Ratio	More than 58dB
Sensitivity Reduction	2.0V-1.5V
	Sensitivity Variation less than 3dB

PMOF-6050P-Q



Dimensions and Material

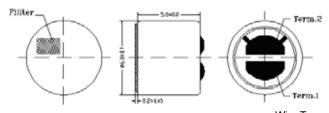


Pin Type



Dimensions and Material

PMOF-6050S-Q



Wire Type

Unit: mm

Electrical Characteristics

Sensitivity Range	-36 / 38 / 40 / 42 / 44 / 46 ± 3dB RL=2.2KΩ VCC=4.5V(1KHz 0dB=1V/Pa)
Impedance	Max .2.2KΩ 1KHz (RL=2.2KΩ)
Frequency	20-16000 Hz
Current Consumption	Max.0.5mA
Operation Voltage Range	1.0V-10V
Sound Pressure Level	120dB S.P.L
S/N Ratio	More than 58dB
Sensitivity Reduction	4.5V-3.0V Sensitivity Variation less than 3dB

Sensitivity Range	-36 / 38 / 40 / 42 / 44 / 46 ± 3dB
11 11 19 19	RL=2.2KΩ VCC=4.5V(1KHz 0dB=1V/Pa)
Impedance	Max .2.2KΩ 1KHz (RL=2.2KΩ)
Frequency	20-16000 Hz
Current Consumption	Max.0.5mA
Operation Voltage Range	1.0V-10V
Sound Pressure Level	120dB S.P.L
S/N Ratio	More than 58dB
Sensitivity Reduction	4.5V-3.0V
	Sensitivity Variation less than 3dB

Mini Microphone / Omni-direction (全指向性麥克風)

PMOF-9745P-Q

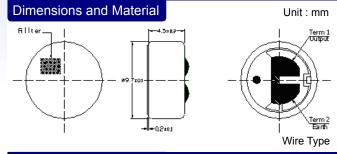


Dimensions and Material Unit: mm

Pin Type

PMOF-9745S-Q





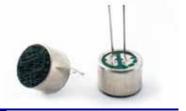
Electrical Characteristics

Sensitivity Range	-34 / 36 / 38 / 40 / 42 / 44 ± 3dB RL=2.2KΩ VCC=4.5V(1KHz 0dB=1V/Pa)
Impedance	Max .2.2KΩ 1KHz (RL=2.2KΩ)
Frequency	20-16000 Hz
Current Consumption	Max.0.5mA
Operation Voltage Range	1.0V-10V
Sound Pressure Level	120dB S.P.L
S/N Ratio	More than 60dB
Sensitivity Reduction	4.5V-3.0V Sensitivity Variation less than 3dB

Electrical Characteristics

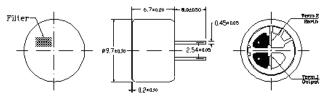
Sensitivity Range	-34 / 36 / 38 / 40 / 42 / 44 ± 3dB RL=2.2KΩ VCC=4.5V(1KHz 0dB=1V/Pa)
Impedance	Max .2.2KΩ 1KHz (RL=2.2KΩ)
Frequency	20-16000 Hz
Current Consumption	Max.0.5mA
Operation Voltage Range	1.0V-10V
Sound Pressure Level	120dB S.P.L
S/N Ratio	More than 60dB
Sensitivity Reduction	4.5V-3.0V Sensitivity Variation less than 3dB

PMOF-9767P-Q



Dimensions and Material

Unit: mm



Pin Type

PMOF-9767S-Q



Dimensions and Material

I 0.1 ±0 05

Wire Type

Unit: mm

Electrical Characteristics

Sensitivity Range	-32 / 34 / 36 / 38 / 40 / 42 / 44 / 46 ± 2dB
Sensitivity realige	RL=2.2Ω VCC=4.5V(1KHz 0dB=1V/Pa)
Impedance	Max .2.2KΩ 1KHz (RL=2.2KΩ)
Frequency	20-16000 Hz
Current Consumption	Max.0.5mA
Operation Voltage Range	1.0V-10V
Sound Pressure Level	120dB S.P.L
S/N Ratio	More than 60dB
Sensitivity Reduction	4.5V-3.0V
	Sensitivity Variation less than 3dB

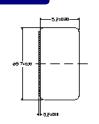
Electrical characteristics	
Sensitivity Range	-32 / 34 / 36 / 38 / 40 / 42 / 44 / 46 ± 2dB RL=2.2Ω VCC=4.5V(1KHz 0dB=1V/Pa)
Impedance	Max .2.2KΩ 1KHz (RL=2.2KΩ)
Frequency	20-16000 Hz
Current Consumption	Max.0.5mA
Operation Voltage Range	1.0V-10V
Sound Pressure Level	120dB S.P.L
S/N Ratio	More than 60dB
Sensitivity Reduction	4.5V-3.0V Sensitivity Variation less than 3dB

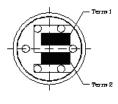
Mini Microphone / Noise Cancelling (消噪型麥克風)

PMOF-9752DS-Q



Dimensions and Material

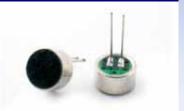


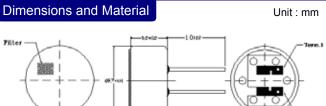


Wire Type

Unit: mm

PMOF-9752DP-Q





Pin Type

Electrical Characteristics

Sensitivity Range	-51 / 54 ± 4dB
, ,	RL=2.2KΩ VCC=1.5V(1KHz 0dB=1V/Pa)
Sensitivity Difference be-	500 Hz to 4000 Hz 12dB
tween 0°-180°	000 112 to 4000 112 1205
Impedance	Max .2.2KΩ 1KHz (RL=2.2KΩ)
Current Consumption	Max.0.5mA
Operation Voltage Range	1.0V-10V
Sound Pressure Level	120dB S.P.L
S/N Ratio	More than 58dB
Sensitivity Reduction	1.5V-1.0V
	Sensitivity Variation less than 3dB

Electrical Characteristics

Sonoitivity Bongo	-51 ± 4dB
Sensitivity Range	RL=680Ω VCC=1.5V(1KHz 0dB=1V/Pa)
Sensitivity Difference between 0°-180°	500 Hz to 4000 Hz 12dB
Impedance	Max .680 Ω 1KHz (RL=680 Ω)
Current Consumption	Max.0.5mA
Operation Voltage Range	1.0V-10V
Sound Pressure Level	120dB S.P.L
S/N Ratio	More than 58dB
Consitivity Doduction	1.5V-1.0V
Sensitivity Reduction	Sensitivity Variation less than 3dB

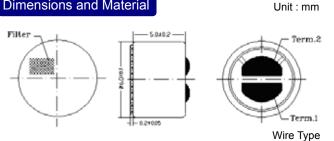
PMOF-6050DS-Q



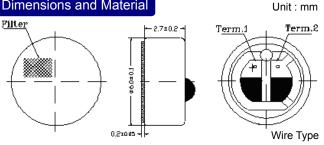
PMOF-6027DS-Q



Dimensions and Material



Dimensions and Material



Electrical Characteristics

Sensitivity Range	-51 / 54 ± 4dB RL=2.2KΩ VCC=1.5V(1KHz 0dB=1V/Pa)
Sensitivity Difference between 0°-180°	500 Hz to 4000 Hz 12dB
Impedance	Max .2.2KΩ 1KHz (RL=2.2KΩ)
Current Consumption	Max.0.5mA
Operation Voltage Range	1.0V-10V
Sound Pressure Level	120dB S.P.L
S/N Ratio	More than 58dB
Sensitivity Reduction	1.5V-1.0V Sensitivity Variation less than 3dB

Sensitivity Range	-51 / 54 ± 4dB RL=2.2KΩ VCC=1.5V(1KHz 0dB=1V/Pa)
Consitivity Difference he	
Sensitivity Difference be- tween 0°-180°	500 Hz to 4000 Hz 12dB
Impedance	Max .2.2KΩ 1KHz (RL=2.2KΩ)
Current Consumption	Max.0.5mA
Operation Voltage Range	1.0V-10V
Sound Pressure Level	120dB S.P.L
S/N Ratio	More than 58dB
0	1.5V-1.0V
Sensitivity Reduction	Sensitivity Variation less than 3dB

Mini Microphone / Uni-direction (單一指向性麥克風)

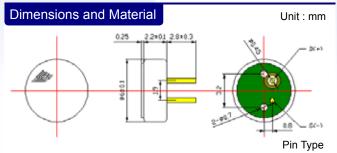
PMO-6022US-Q



Dimensions and Material Unit: mm 0.15 22±0.1 ø6.0±0.1 2-00.6 Wire Type

PMO-6022UP-Q





Electrical Characteristics

Sensitivity Range	-48 ± 3dB RL=2.2KΩ VCC=2.0V
Sensitivity Range	(1KHz 0dB=1V/Pa L=50cm)
Impedance	Max .2.2KΩ 1KHz (RL=2.2KΩ)
Frequency	20-16000Hz
Current Consumption	Max.0.5mA
Operation Voltage Range	2.0V-10V
Sound Pressure Level	115dB S.P.L
S/N Ratio	More than 58dB
Sensitivity Reduction	2.0V-1.5V
	Sensitivity Variation less than 3dB

Electrical Characteristics

Sensitivity Range	-48 ± 3dB
	RL=2.2KΩ VCC=2.0V(1KHz 0dB=1V/Pa)
Impedance	Max .2.2KΩ 1KHz (RL=2.2KΩ)
Frequency	20-16000Hz
Current Consumption	Max.0.5mA
Operation Voltage Range	2.0V-10V
Sound Pressure Level	115dB S.P.L
S/N Ratio	More than 58dB
Sensitivity Reduction	2.0V-1.5V
	Sensitivity Variation less than 3dB

PMOF-6027US-Q

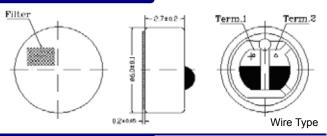


Unit: mm

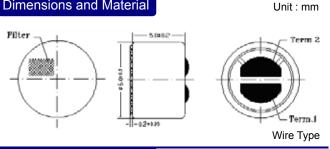
PMOF-6050US-Q



Dimensions and Material



Dimensions and Material



Electrical Characteristics

Sensitivity Range	-47 ± 3dB RL=680Ω VCC=1.5V(1KHz 0dB=1V/Pa)
Impedance	500 Hz to 4000 Hz 12dB
Frequency	Max .2.2KΩ 1KHz (RL=2.2KΩ)
Current Consumption	Max.0.5mA
Operation Voltage Range	1.0V-10V
Sound Pressure Level	120dB S.P.L
S/N Ratio	More than 58dB
Sensitivity Reduction	1.5V-1.0V Sensitivity Variation less than 3dB

Ziodilidai dilaidatellalad	
Sensitivity Range	-47 / 51 / 54 ± 4dB RL=2.2KΩ VCC=2.0V(1KHz 0dB=1V/Pa)
Impedance	Max .2.2KΩ 1KHz (RL=2.2KΩ)
Frequency	20-16000 Hz
Current Consumption	Max.0.5mA
Operation Voltage Range	1.0V-10V
Sound Pressure Level	120dB S.P.L
S/N Ratio	More than 58dB
Sensitivity Reduction	2.0V-1.5V Sensitivity Variation less than 3dB

Mini Microphone / Uni-direction (單一指向性麥克風)

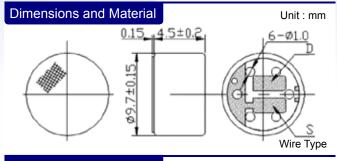
PMOF-9745UW-Q



Dimensions and Material Unit: mm 4.5±0.2 Ø9.7±0.15 Wire Type

PMOF-9745US-Q





Electrical Characteristics

Sensitivity Range	-47 ± 2dB RL=680Ω VCC=1.5V(1KHz 0dB=1V/Pa)
Sensitivity Difference between 0°-180°	
Impedance	Max .680Ω 1KHz (RL=680Ω)
Current Consumption	Max.0.5mA
Operation Voltage Range	1.0V-10V
Sound Pressure Level	115dB S.P.L
S/N Ratio	More than 56dB
Sensitivity Reduction	1.5V-1.0V Sensitivity Variation less than 3dB

Electrical Characteristics

Sensitivity Range	-47 ± 2dB RL=680Ω VCC=1.5V(1KHz 0dB=1V/Pa)
Sensitivity Difference between 0°-180°	
Impedance	Max .680Ω 1KHz (RL=680Ω)
Current Consumption	Max.0.5mA
Operation Voltage Range	1.0V-10V
Sound Pressure Level	115dB S.P.L
S/N Ratio	More than 56dB
Sensitivity Reduction	1.5V-1.0V Sensitivity Variation less than 3dB

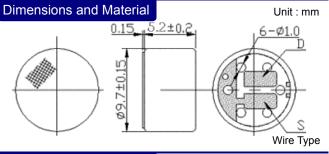
PMOF-9752US-Q



PMOF-9752UP-Q

Dimensions and Material





Unit: mm Ø9.7±0.〕 Pin Type

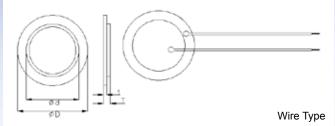
Electrical Characteristics

Sensitivity Range	-47 / 51 / 54 ± 4dB RL=2.2KΩ VCC=2.0V(1KHz 0dB=1V/Pa)
Sensitivity Difference between 0°-180°	Max .2.2KΩ 1KHz (RL=2.2KΩ)
Impedance	20-16000 Hz
Current Consumption	Max.0.5mA
Operation Voltage Range	1.0V-10V
Sound Pressure Level	120dB S.P.L
S/N Ratio	More than 58dB
Sensitivity Reduction	2.0V-1.5V Sensitivity Variation less than 3dB

Sensitivity Range	-51 ± 4dB RL=680Ω VS=1.5V(1KHz 0dB=1V/Pa)
Sensitivity Difference between 0°-180°	500 Hz to 4000 Hz
Impedance	Max .680 Ω 1KHz (RL=680 Ω)
Current Consumption	Max.0.5mA
Operation Voltage Range	1.0V-10V
Sound Pressure Level	120dB S.P.L
S/N Ratio	More than 58dB
Sensitivity Reduction	1.5V-1.0V Sensitivity Variation less than 3dB

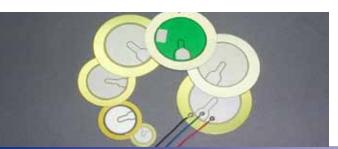
Piezo Electric Ceramic Element (壓電式陶瓷音片) / With Wire

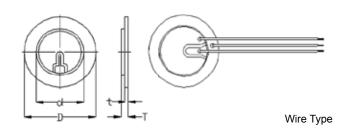




One Side No Feedback (無回授)

Part Number	Model No	lodel No. Resonant Frequency (KHz)	Resonant Impedance (Ω) Max.	Capacitance (pF) ± 30%	Dimensions (mm)				Page Meterial
rait Nulliber Wodel No	Model No.				D	d	Т	t	Base Material
MZ-12490B	MZ12490BD0	4.9 ± 1.0	1500	17000	12.00	9.00	0.12	0.05	Brass
MZ-15580B	MZ15580BD0	5.8 ± 0.5	800	10000	15.00	10.00	0.23	0.10	Brass
MZ-2040B	MZ20402BS1	5.1 ± 0.5	200	26000	20.00	14.60	0.38	0.25	Brass
MZ-20650B	MZ20650BD0	6.5 ± 0.5	350	12000	20.00	14.80	0.40	0.20	Brass
MZ-21280B	MZ21280BD0	2.8 ± 0.2	500	20000	21.00	15.00	0.20	0.10	Brass
MZ-21300B	MZ21300BD0	3.0 ± 0.5	200	28000	21.00	15.00	0.23	0.10	Brass
MZ-21320S	MZ21320SD0	3.2 ± 0.2	500	25000	21.00	14.80	0.22	0.10	Stainless
MZ-27280B	MZ27280BD0	2.8 ± 0.5	400	30000	27.00	19.80	0.33	0.15	Brass
MZ-27290B	MZ27290BD0	2.9 ± 0.3	300	36000	27.00	20.00	0.32	0.20	Brass
MZ-27290S	MZ27290SD0	2.9 ± 0.5	200	36000	27.00	19.80	0.32	0.20	Stainless
MZ-27350B	MZ27350BD0	3.4 ± 0.2	200	22000	27.00	19.80	0.40	0.20	Brass
MZ-27440B	MZ27440BD0	4.4 ± 0.5	300	18000	27.00	19.80	0.50	0.25	Brass
MZ-31130T	MZ31130TD0	1.3 ± 0.3	500	52000	31.00	20.00	0.22	0.10	Iron Nickel Alloy
MZ-35290B	MZ35290BD0	2.9 ± 0.5	300	30000	35.00	24.80	0.58	0.30	Brass
MZ-41080T	MZ41080TD0	0.8 ± 0.3	1000	70000	41.00	25.00	0.23	0.10	Iron Nickel Alloy
MZ-50280B	MZ50280BJ0	2.8 ± 0.5	500	35000	50.00	25.00	0.42	0.20	Brass



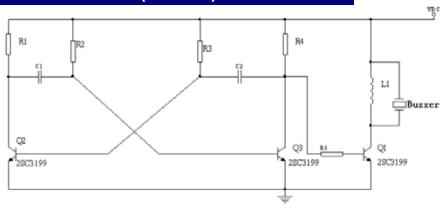


One Side Feedback (回授)

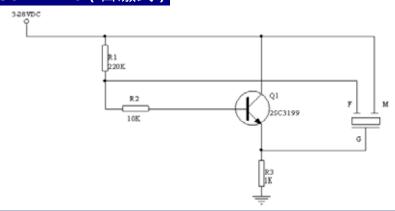
Part Number Model No	Model No	Model No. Resonant Frequency (KHz)	Resonant Impedance (Ω) Max.	Capacitance (pF) ± 30%	Dimensions (mm)				Base Material
	Wiodol 110.				D	d	T	t	Duoc Material
MZ-12491B	MZ12491BD0	4.9 ± 0.5	1000	13000	12.00	9.00	0.12	0.05	Brass
MZ-20321T	MZ20321TF0	3.2 ± 0.4	400	24000	20.00	15.00	0.21	0.10	Iron Nickel Alloy
MZ-21311B	MZ21311BF0	3.1 ± 0.2	300	25000	21.00	15.00	0.18	0.10	Brass
MZ-21321B	MZ21321BD0	3.2 ± 0.3	300	25000	21.00	15.00	0.23	0.12	Brass
MZ-27281B	MZ27281BD0	3.0 ± 0.2	400	27500	27.00	20.00	0.34	0.20	Brass
MZ-27291B	MZ27291BD0	2.9 ± 0.3	300	30000	27.00	20.00	0.32	0.20	Brass
MZ-27291S	MZ27291SF0	2.9 ± 0.5	200	30000	27.00	20.00	0.28	0.15	Stainless
MZ-27351B	MZ27351BF0	3.5 ± 0.3	300	25000	27.00	20.00	0.35	0.20	Brass
MZ-27351S	MZ27351SF0	3.5 ± 0.2	200	30000	27.00	20.00	0.28	0.15	Stainless
MZ-27361B	MZ27361BD0	3.6 ± 0.2	300	22000	27.00	20.00	0.40	0.20	Brass
MZ-27441B	MZ27441BF0	4.4 ± 0.5	300	20000	27.00	20.00	0.48	0.25	Brass
MZ-35201F	MZ35201FD0	2.0 ± 0.3	300	55000	35.00	25.00	0.33	0.20	Tinplate
MZ-35291B	MZ35291BF0	2.9 ± 0.3	300	25000	35.00	25.00	0.52	0.29	Brass
MZ-35291S	MZ35291SF0	2.9 ± 0.5	300	30000	35.00	25.00	0.55	0.30	Stainless Steel

Recommend Driving Circuit (驅動線路圖)

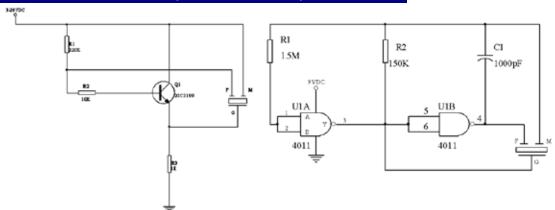
■ PT Series External Drive (他激式)



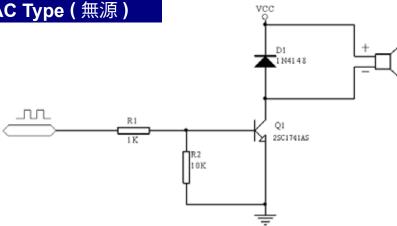
■ PT Series Self Drive (自激式)



■ PT-3534FPQ Self Drive (專用驅動線路圖)



■ PB Series AC Type (無源)



How to choose buzzers?

There are great variety of electronic acoustic parts on the market, one of which is the buzzer.

How to enquire the manufacturers about the buzzers wanted? As a matter of fact, you only need to know about the following three specifications:

1. Frequency (KHz):

What is the frequency used? For example: 4.0KHz or 2.0KHz and so on.

2. Voltage (Vp-p or Vdc):

Does it have sources or not? And how much is the voltage?

3. Size (mm):

What is the size of it?

For example: Width 14mm or 12mm, height 7.6mm or 9.5mm.

It is suggested that the users should explain to the manufacturers to enable them to acknowledge, acquire the samples of the buzzers and setting the prices quickly if the users also know the following specifications:

- 1. Which will be used, the piezo electric buzzer or the magnetic buzzer?
- 2. If the magnetic buzzer is used, is it "a whole with no sources" or "a partition with no sources" or "a whole with sources" or "a partition with sources"?
- 3. Distance between pins (mm): What is the distance used between the pins? For instances: 6.5mm, 7.6mm or 10mm and so on.
- 4. Sound pressure (dB): What is the sound pressure used? For example: 80dB, 90dB or 95dB and so on.
- 5. Electrical current (mA): What is the electrical current used? For example: 0.7mA or 25mA and so on.

If the users have utterly no idea about what a buzzer is and don't know how to enquire, it is suggested that the manufacturers could fax the specification they have or the specification they are currently using to the enquiring clients. This is also a very good way. It not only saves the enquiring time but also helps to get the samples and prices quickly.









Agent		
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CAT NO. 009-2523









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