

CUSTOMER:

MODEL NUMBER:

OUR PART NUMBER:

CUSTOMER PART NO.:

CUSTOMER	APPROVED	CHECKED

Specification for Piezoelectric Ceramic Buzzer With built-in oscillating circuit (Pin Type)	Des.	Page 2 of 5

1、 Technical Parameter

Measuring condition

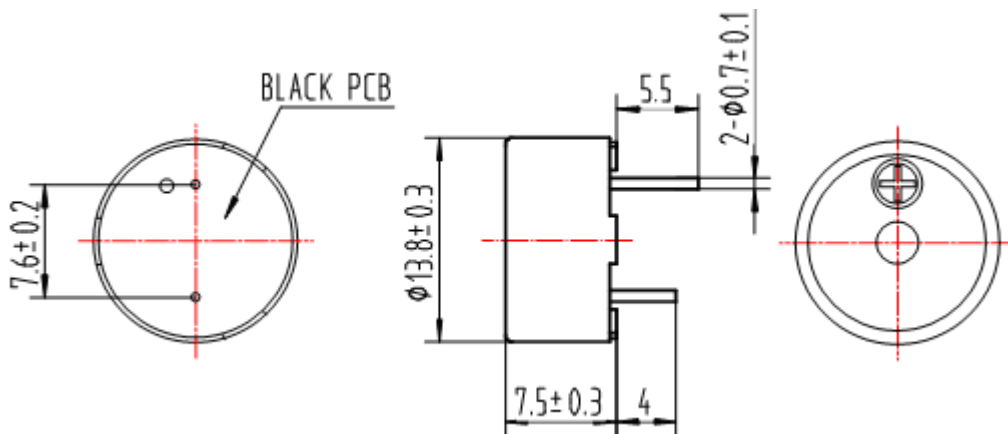
Part shall be measured under a condition (Temperature: 5~35°C, Humidity: 45%~85%R.H., Atmospheric pressure: 860 ~1060hPa) unless the standard condition (Temperature: 25±3°C, Humidity: 60±10%R.H. Atmospheric pressure: 860 ~1060hPa) is regulated to measure.

1	Rated Voltage	5VDC
2	Operating Voltage	4 – 8 VDC
3	Rated Current	Max.10mA, at 5VDC
4	Sound Output at 10cm	Min.85dB, at 5VDC
5	Resonant Frequency	4000 ± 500 Hz
6	Tone	Continuous
7	Operating Temperature	-20 - +70°C
8	Storage Temperature	-30 - +80°C
9	RoHS	Yes
10	Weight	Approx 1.3 g

2、 Dimensions

Unit: mm

Tolerance: ± 0.5mm Except Specified



*Housing Material: Black PBT

Specification for Piezoelectric Ceramic Buzzer With built-in oscillating circuit (Pin Type)	Des.	Page 3 of 5

3、 Reliability Test

After any following tests the part shall meet specifications without any degradation in appearance and performance except SPL. SPL shall not deviate more than -10 dB from the initial value

3.1 Ordinary Temperature Life Test

The part shall be subjected to 96 hours at $25 \pm 10^\circ\text{C}$. Input rated voltage
Resonant frequency, 1/2 duty Square wave.

3.2 High Temperature Test

The part shall be capable of with standing a storage temperature of $+85^\circ\text{C}$ for 96 hours.

3.3 Low Temperature Test

The part shall be capable of with standing a storage temperature of -40°C for 96 hours.

3.4 Humidity Test

Temperature: $+40^\circ\text{C} \pm 3^\circ\text{C}$ Relative Humidity:90%~95% Duration: 48 hours
and expose to room temperature for 6 hours

3.5 Temperature Shock Test

Temperature: $70^\circ\text{C} / 1\text{hour} \rightarrow 25^\circ\text{C} / 3\text{hours} \rightarrow -30^\circ\text{C} / 1\text{hour} \rightarrow 25^\circ\text{C} / 3\text{hours}$ (1cycle)
Total cycle: 10 cycles

3.6 Drop Test

Standard Packaging From 120mm(Drop on hard wood or board of 5cm thick,
three sides, six plain.)

3.7 Vibration Test

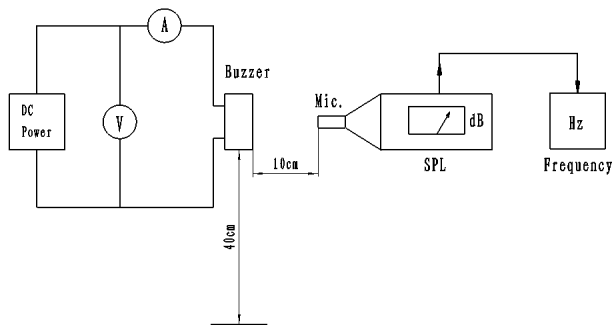
Vibration:1000cycles /min. Amplitude:1.5mm, Duration: 1 hour in each 3 axes

Note:

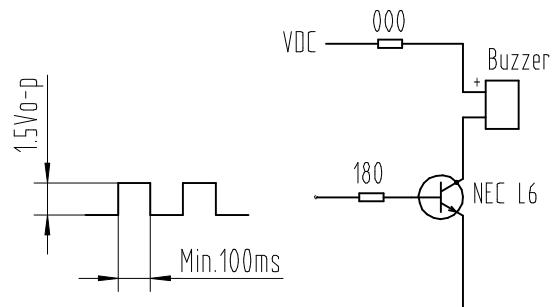
As this product is not protected from foreign material entering, please make sure that any foreign materials (e.g. magnetic powder, washing solvent, flux, corrosive gas) do not enter this product in your production processes. The functional degradation (e.g. SPL down) may occur if foreign material enter it.

4、 Electrical And Acoustical Measuring Condition

a) Recommended Setting



b) Recommended Test Circuit



Specification for Piezoelectric Ceramic Buzzer With built-in oscillating circuit (Pin Type)	Des.	Page 4 of 5

5、 Packing

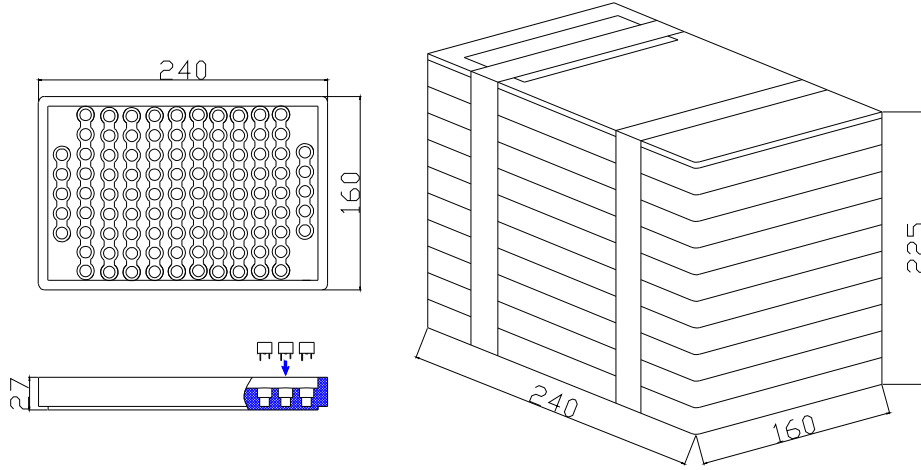


Fig.1

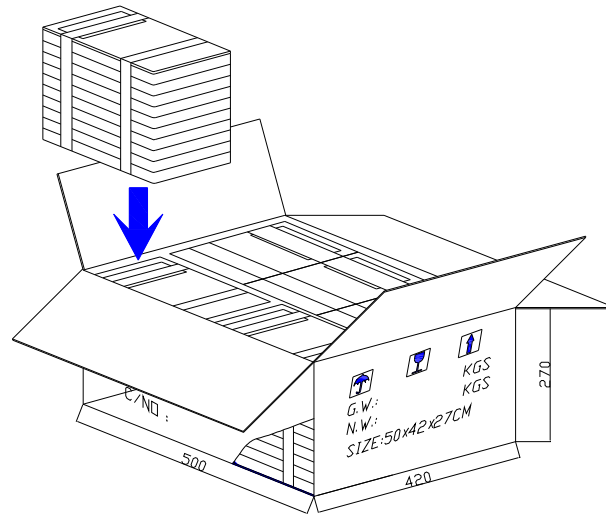


Fig.2

	包装名称	包装数量(pcs)	包装尺寸(mm)	图解
1	泡沫盒	100	240×160×24	Fig.1
2	一叠	1000	240×160×225	Fig.1
3	箱子	5000	500×420×270	Fig.2

Specification for Piezoelectric Ceramic Buzzer With built-in oscillating circuit (Pin Type)	Des.	Page 5 of 5

6.其他信息

包装要求	14 型泡沫盒，1000pcs 一堆；5 堆/箱；5000pcs/箱 外箱料号：F6-003；外箱尺寸 50*41*25cm 泡沫盒料号：F6-714	
唛头要求	内盒：	外箱：
特别说明		

7.变更记录

日期	变更项目及记录	备注	确认人

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