

Description

Chinasound Piezo Transducer 17mm diameter, type B(=8.0mm height), MPPO housing, 03Vp-p rated voltage – 4.0KHz resonant frequency – Pin length 3.5mm – RoHS compliant

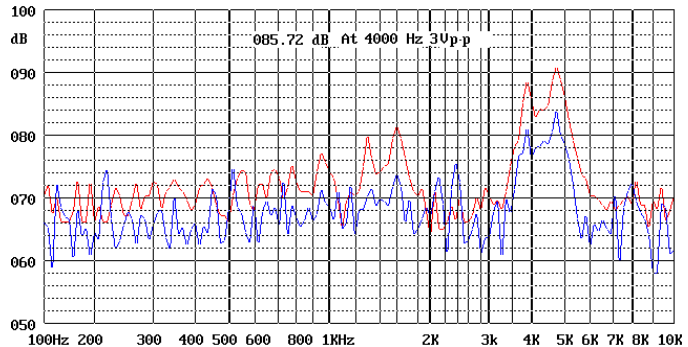
◆ **RoHS compliant**

- ◆ Reliable Solid State Piezoelectric Technology
- ◆ Flame Retardant Plastic
- ◆ Contains Lead zirconium titanium oxide (CAS 12626-81-2) more than 0.1%

Picture



Frequency Response Curve



Specification

- Rated Voltage
- Operating Voltage
- Operating Frequency
- Typical Sound Output
- Rated Current
- Capacitance
- Operating Temp.
- Storage Temperature
- Termination

Construction Materials

- Weight (Typical)
- Reliability

- Description
- Termination Strength
- Case
- Diaphragm

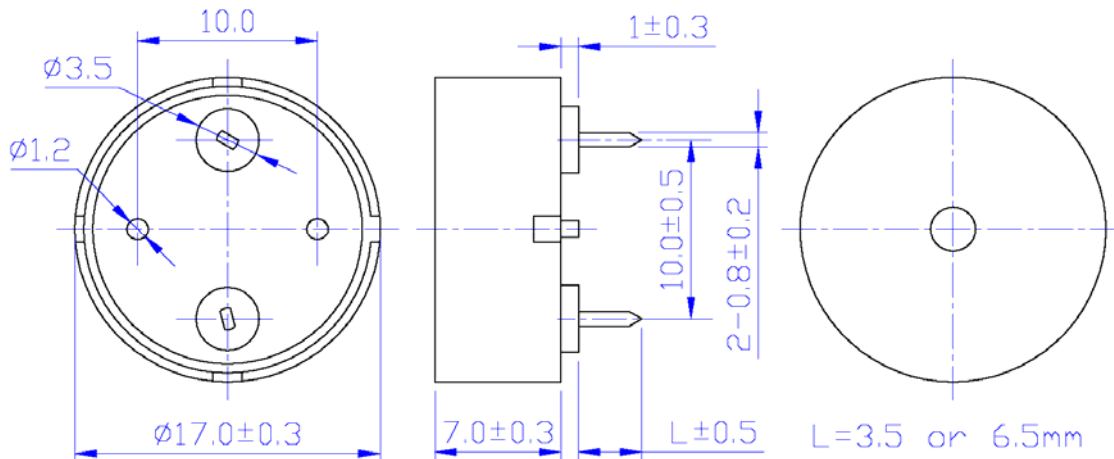
- *Life Test
- *High Temperature
- *Low Temperature
- *Humidity
- *Thermal Shock
- *Vibration
- *Shock
- *Drop Test
- *Soldering Heat Resistance
- **Solderability

3 Vp-p, square wave
 1 - 30 Vp-p, square wave
 4,000+/-500Hz
 80dB min. at 3Vp-p 10cm 4KHz 25 °C
 1 mA at 3Vp-p 4KHz 25 °C
 15,000+/-30% pF at 100Hz 1Vrms
 -40 °C to +105 °C
 -40 °C to +120 °C
 2 soldering pins, Sn plated Brass
 Maximum of 9.8N (1kgs) for 10 seconds load pull test
 Plastic, Noryl PX9406 or equal
 Brass Disc
 1.16 g
 At 3 Vp-p, 1 minutes ON 1 minutes OFF in room temperature continuously for 1000 hours
 No function at +120+/-2 °C for 240 hours; Function at +105+/-2 °C for 240 hours
 No function at -40+/-2 °C for 240 hours; Function at -40+/-2 °C for 240 hours
 +40+/-2 °C, 95+/-5%RH, 240 hours
 -40+/-2 °C 0.5 hr → +25+/-2 °C 0.25 hr → +105+/-2 °C 0.5 hr → +25+/-2 °C 0.25 hr. Temperature Go up or Drop time is 0.5 hr. 3 hrs per 1 cycle. Total is 5 cycles
 1.5mm with 10 to 50Hz of vibration frequency to each of 3 perpendicular directions for 2 hours
 980m/s² (=100g) shock for each mutually perpendicular directions, half sine wave, 3 times each
 Dropped naturally from 750mm height onto the surface of 10mm wooden board. 2 directions – upper and side of the part are applied
 Soldering pads are immersed in +350+/-5 °C solder bath for 3+/-0.5 seconds
 Soldering pads are immersed in rosin for 5 seconds and then immersed in +350+/-5 °C solder bath for 3+/-0.5 seconds
 For a period of one (1) year from date of manufacture under normal operations

Warranty

* All specifications must be satisfied after the test (Recovery:2 to 4 hrs of recovery under the standard condition after the removal from test chamber).
 **90% min. soldering pads shall be with solder.(except the edge of pad)

Dimensions (Unit:mm)



All specifications are subject to change without notice

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Revisions History

Version Number	Description	Name	Date
SP1.03.111-A0	Original,CPT17BM03-4.0-P3.5R	David Zhang	2015-03-16
SP1.03.111-A0	With regard to REACH regulation, add "Contains Lead zirconium titanium oxide (CAS 12626-81-2) more than 0.1%".	David Zhang	2016-11-30