

**Description**

Chinasound Electronics Piezo Transducer 13.8(<14mm) diameter, type A (= 6.8 mm height ), 05Vp-p rated voltage – 4.0KHz resonant frequency , RoHS compliant

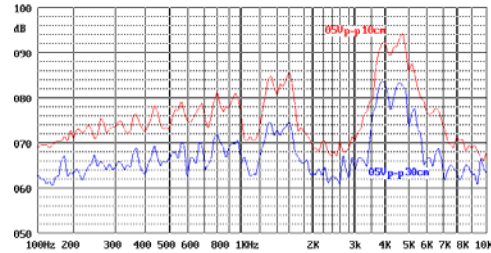
**◆ RoHS compliant**

- ◆ Reliable Solid State Piezoelectric Technology
- ◆ Corrosion Resistance Diaphragm
- ◆ Flame Retardant Plastic

**Picture**



**Characteristics**



**Specification**

- Rated Voltage
- Operating Voltage
- Operating Frequency
- Typical Sound Output
- Typ. Operating Current
- Capacitance
- Operating Temperature
- Storage Temperature
- Termination
- Construction Materials

- Description
- Case
- Diaphragm
- Termination Strength

5 Vp-p  
 25 Vp-p max.  
 4,000+/-500Hz  
 85dB min. (90dB typ.) at 5Vp-p 10cm 4KHz 25°C  
 1 mA at 5 Vp-p  
 15,000+/-30% pF at 100Hz 1Vrms  
 -40°C to +85°C  
 -40°C to +90°C  
 2 soldering lugs, Sn plated Brass  
 Plastic, MPPO SE1GFN2  
 Ni Alloy Disc N42  
 Maximum of 9.8N (1kgs) for 10 seconds load pull test  
 2.3g  
 At 5 Vp-p, 1 minutes ON 1 minutes OFF in room temperature continuously for 1000 hours  
 No function at +90+/-2°C for 240 hours; Function at +85+/-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 → +85+/-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/s<sup>2</sup> (=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

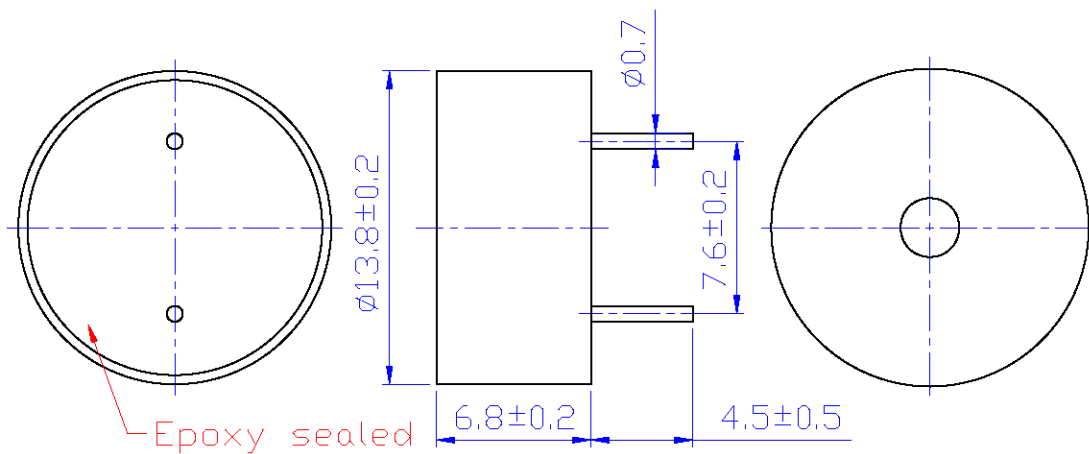
- Weight (Typical)
- Reliability

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

**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)**



Finished product tested for epoxy height / clearance requirement using PCB Jig

All specifications are subject to change without notice

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## Revisions History

Version Number	Description	Name
040410	Original, CPT14A05-4.0	Guo Jun
060413	Switched to RoHS compliant version, CPT14A05-4.0R	Gao Li
070410	Add requirement of epoxy height / clearance with inspection on PCB/ JIG	Gao Li