

Description

Chinasound SMD Piezo Transducer 14mm length, type A(=14mm width, 4.3mm height) , 05Vp-p rated voltage – 4.0KHz resonant frequency, lead Free reflowing solderable and RoHS compliant

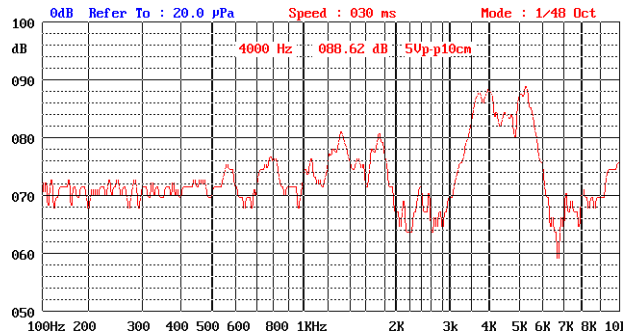
◆ RoHS compliant

- ◆ Reliable Solid State Piezoelectric Technology
- ◆ Corrosion Resistance Diaphragm
- ◆ Flame Retardant Plastic
- ◆ Tape and reel packaging for auto mounting

Picture



Characteristics



Specification

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

- Weight (Typical)
- Reliability

Description
Case
Diaphragm

- *Life Test
- *High Temperature
- *Low Temperature
- *Humidity
- *Thermal Shock

- *Vibration
- *Shock

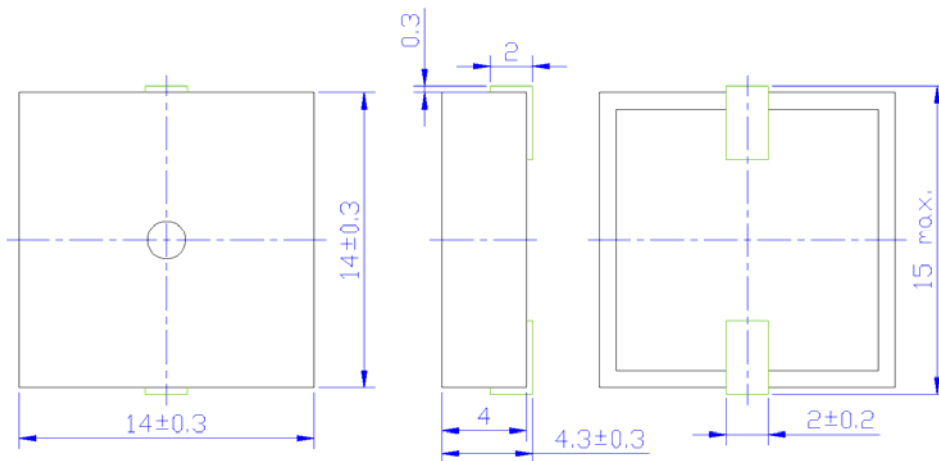
- *Drop Test
- *Soldering Heat Resistance
- **Solderability

20 Vp-p max.
 4000+/-500Hz
 80dB min. at 5Vp-p 10cm 4KHz 25 °C
 2mA at 5Vp-p
 15,000+/-30% pF at 100Hz 1Vrms
 -30 °C to +85 °C
 -40 °C to +90 °C
 2 soldering pads, Sn plated Brass
 Plastic, LCP Vectra E130i
 Ni Alloy Disc N42
 1.1g
 At 5 Vp-p, 1 minutes ON 1 minutes OFF in room temp. 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 -30+/-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
 Samples put through reflowing soldering oven 2 twice
 Samples put on PCB with solder paste through reflowing soldering oven 1 times
 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

Composed by: Guo J/090629 Checked by: Gao CL, Gong YS, Zhu YC/090629 Approved by: Wang Z/090629



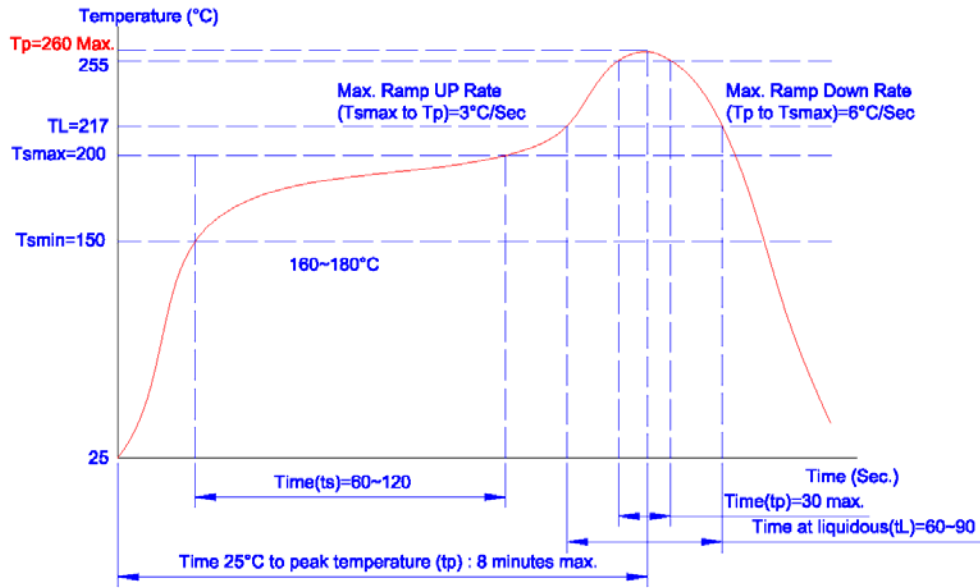
CHANGZHOU CHINASOUND ELECTRONICS CO., LTD.

Tel: +86-519-86182518 Fax: +86-519-86182519

<http://www.chinasound.com>

email: csound@jmail.com.cn

Recommend Reflowing Profile as per IPC/JEDEC J-STD-020D



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Revision History

Version Number	Description	Name
090925	Original RoHS compliant version, CSPT14A05-4.0F	Guo Jun