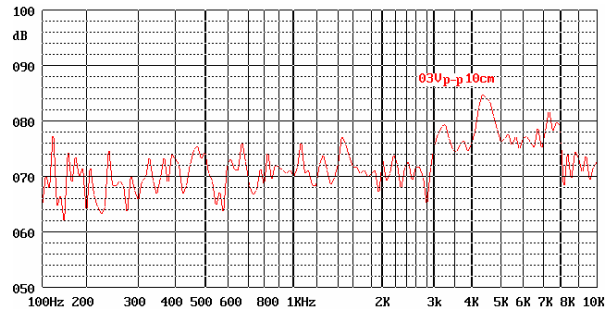


Description**CSPT12B03-4.0F:**

Chinasound SMD Piezo Transducer 12mm length, type B(=12mm width, 2.7mm height) , 3Vp-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

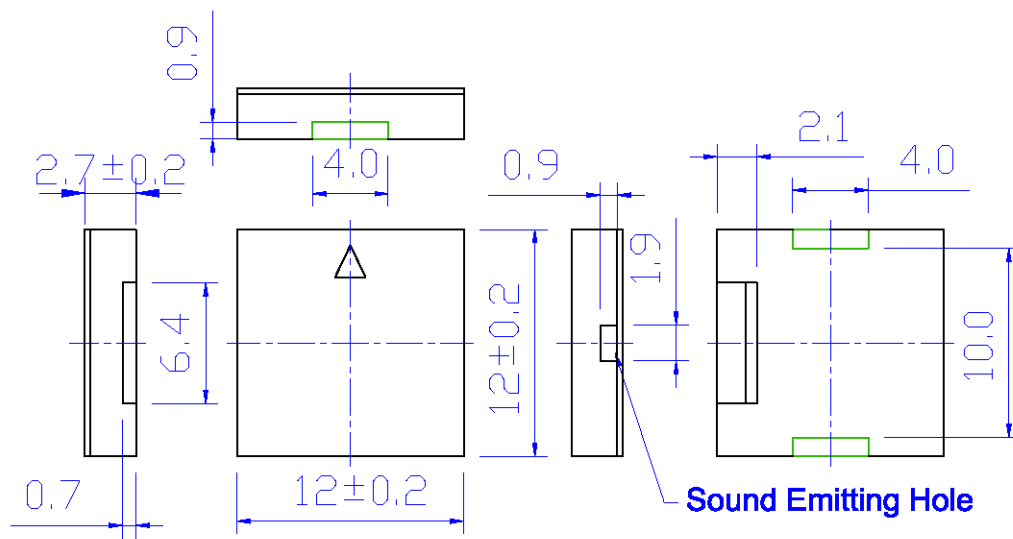
*Life Test
*High Temperature
*Low Temperature
*Humidity
*Thermal Shock
*Vibration
*Shock
*Drop Test
*Soldering Heat Resistance
**Solderability

20 Vp-p max.
4000+/-500Hz
72dB min. at 3Vp-p 10cm 4KHz 25 °C
1mA at 3Vp-p
15000+/-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
0.8g
At 5 Vp-p in room temperature continuously for 1000 hours
+90+/-2 °C for 240 hours
-40 +/-2 °C for 240 hours
+40 +/-2 °C, 95+/-5%RH, 240 hours
-30 +/-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/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)

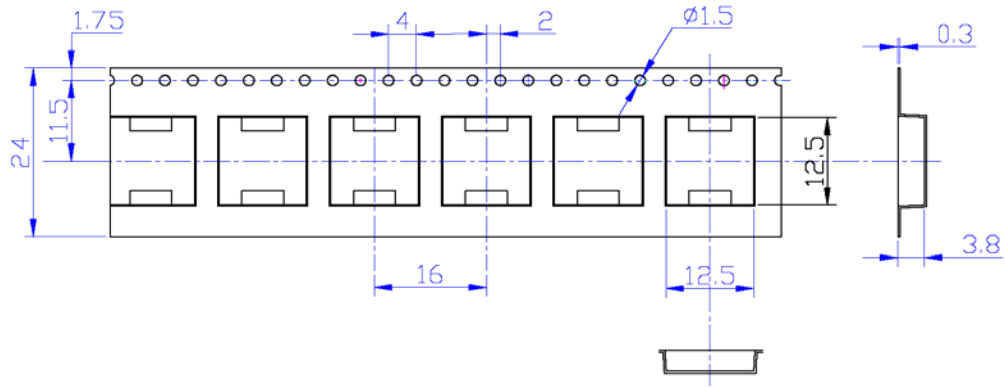
All specifications are subject to change without notice

ChinaSound

CHANGZHOU CHINASOUND ELECTRONICS CO., LTD.

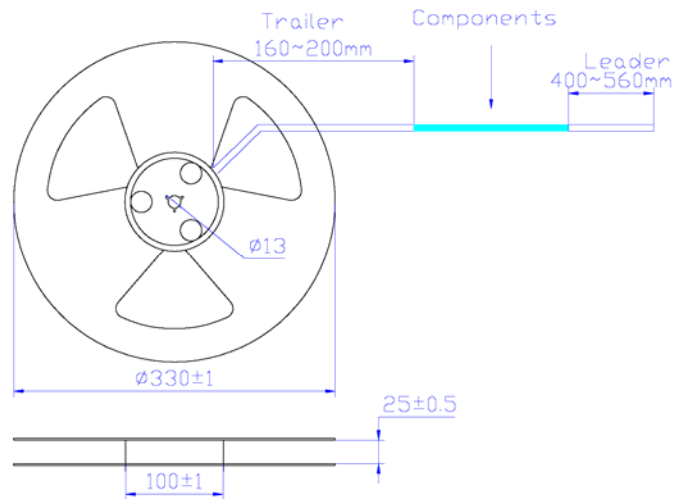
Tel: +86-519-6182518, 6182517, 6182516 Fax: +86-519-6182519
http://www.chinasound.com email: csound@jsmail.com.cn

Tape & Reel Dimensions (Unit:mm)

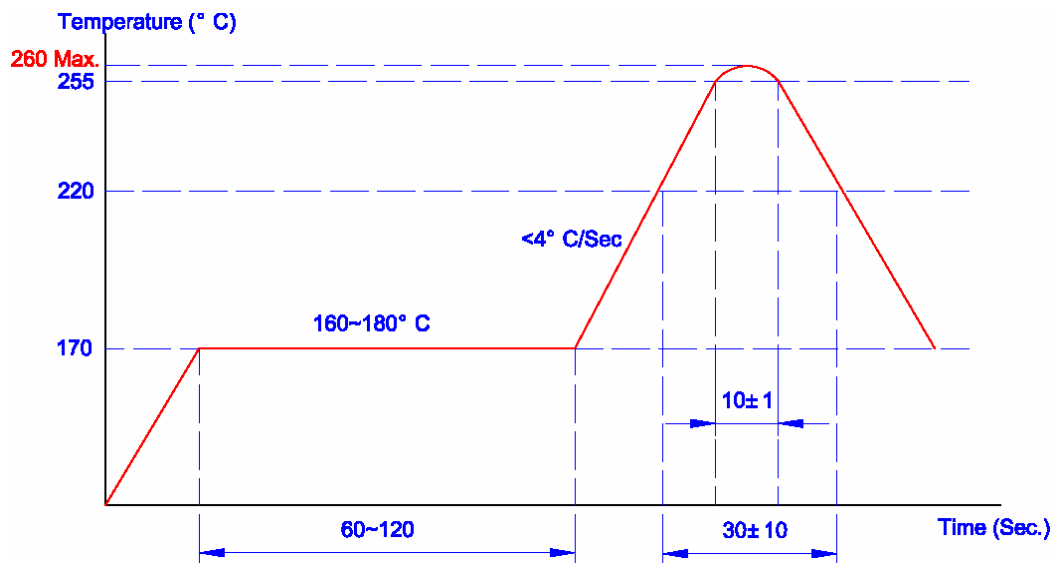


NOTE:

1. 10 sprocket hole pitch cumulative tolerance ± 0.20 mm.
2. Carrier camber not to exceed 1 mm in 100 mm.
3. All dimensions meet EIA-481-2-A requirements.
4. Thickness: 0.40 ± 0.05 mm.
5. Component loaded per 13" reel: 1000 pcs.



Recommend Reflowing Profile



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<http://www.chinasound.com> email: csound@jsmail.com.cn