

Description

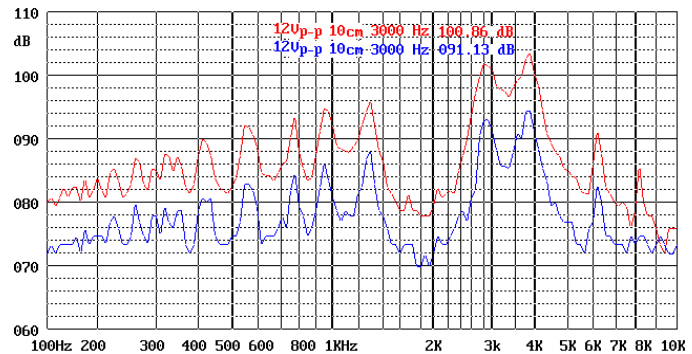
Chinasound Piezo Transducer 24mm diameter, type G (=9.5mm height), PPS housing, reflowing solderable, 12Vp-p rated voltage – 3.0KHz resonant frequency – Tin plated brass Pin length 3mm, lead Free reflowing solderable, RoHS complaint

- ◆ RoHS compliant
- ◆ Reliable Solid State Piezoelectric Technology
- ◆ Flame Retardant Plastic
- ◆ Reflowing solderable

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

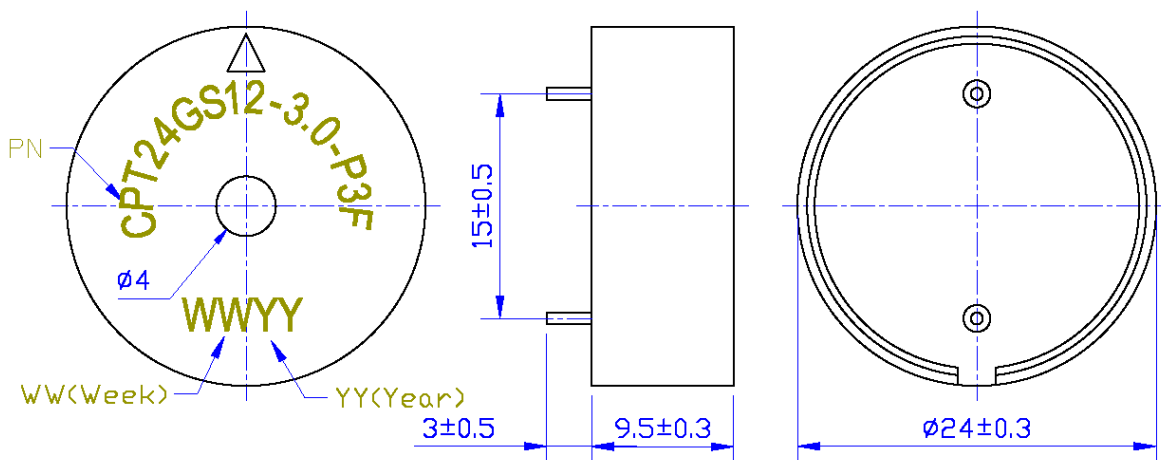
- *Life Test
- *High Temperature
- *Low Temperature
- *Humidity
- *Thermal Shock
- *Vibration
- *Shock
- *Drop Test
- *Soldering Heat Resistance

12 Vp-p square wave
 1 ~ 30 Vp-p
 3,000+/-500Hz
 90dB min. (102dB typ.) at 12Vp-p 10cm 3.0KHz 25 °C
 8mA at 12Vp-p 3.0KHz 25 °C
 25,000+/-30% pF at 100Hz 1Vrms
 -40 °C to +95 °C
 -40 °C to +105 °C
 2 soldering pins, Sn plated Brass
 Maximum of 9.8N (1kgs) for 10 seconds load pull test
 Plastic, PPS A7-03 or equal
 Ni Alloy Disc N42 or equal
 3.4 g
 At 12 Vp-p in room temperature, continuously for 1000 hours
 No function at +105+/-2 °C for 240 hours; Function at +95+/-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
 -30+/-2 °C 0.5 hr → +25+/-2 °C 0.25 hr → +95+/-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 1 times

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).

Dimensions (Unit:mm)



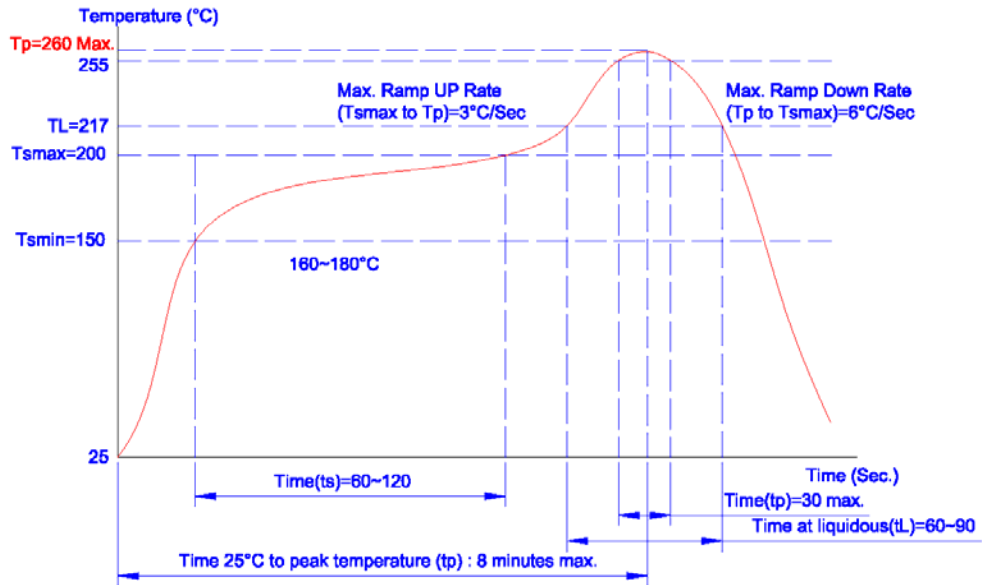
All specifications are subject to change without notice

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



Revision History

Version Number	Description	Name
050711	Original RoHS compliant version, the improved version of CPT24FS12-3.0	Gao Li
071031	To correct the data code mark alignment	Gao Chunli
080404	To connect Piezo Disc and PCB with springs	Gao Chunli
090624	To add Recommend reflowing Profile as per J-STD-020D	Guo Jun