

Description

CSET8.5G3.6-17-2.7F:

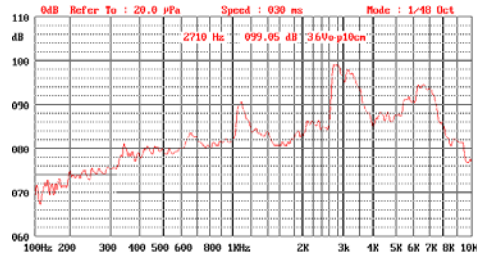
Chinasound SMD Electro-magnetic Transducer 8.5mm length, type G(=8.5mm width, 4.0mm height, 3x15mm sound hole), 3.6Vo-p rated voltage - 17ohm coil resistance – 2.71KHz resonant frequency, Lead Free reflowing solderable, RoHS compliant

- ◆ RoHS complaint
- ◆ Small size
- ◆ Reflowing Solderable
- ◆ Flame Retardant Plastic
- ◆ Tape and reel packaging for auto mounting

Picture



Frequency Response Curve



Specification

Rated Voltage
Operating Voltage
Rated Current

3.6 Vo-p square wave, 1/2 duty square wave
2~4 Vo-p square wave, 1/2 duty square wave
Average 100 mA max. at 3.6 Vo-p square wave, 1/2 duty square wave
Peak 200mA max. at 3.6VDC

Coil Resistance
Sound Output
Operating Frequency
Operating Temperature
Storage Temperature

17+/-3 ohm
94dB min. at 3.6 Vo-p square wave, 1/2 duty square wave, 10cm, 2710Hz
2710+/-500Hz
-30 °C to +85 °C
-40 °C to +90 °C

Termination

Description
Termination Strength
Case
Diaphragm

4 soldering pads, Sn plated Brass
Maximum of 9.8N (1kgs) for 10 seconds load pull test
Plastic, LCP Vectra E130i
Ni Alloy Disc N50 or equal

Construction Materials

Weight (Typical)
Reliability

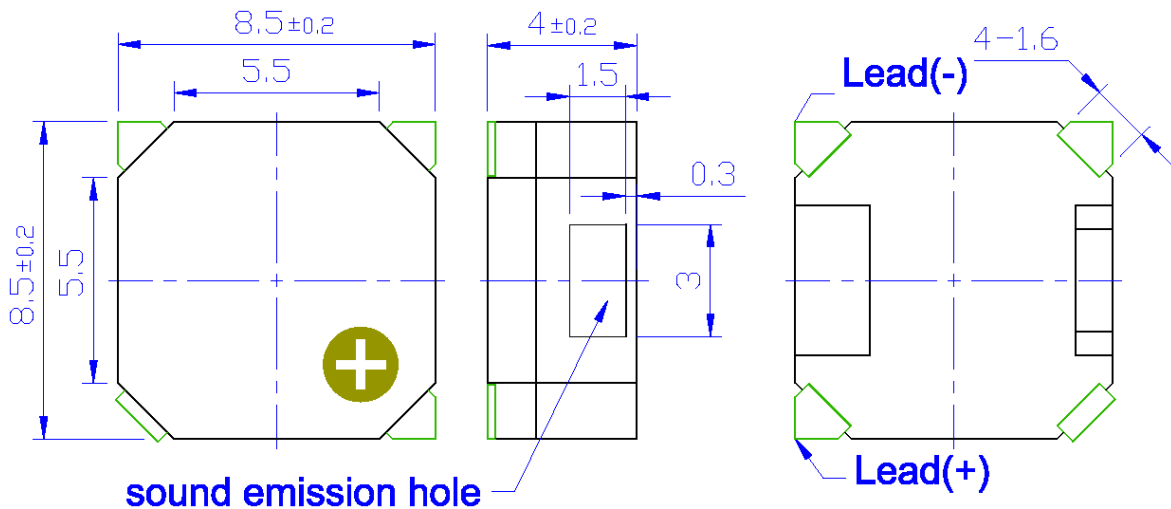
*Life Test
*High Temperature
*Low Temperature
*Humidity
*Thermal Shock
*Vibration
*Shock
*Drop Test
*Soldering Heat Resistance
**Solderability

0.6g
At 3.6 Vo-p in room temperature continuously for 1000 hours
no function at +90+/-2 °C for 96 hours, function at +85+/-2 °C for 96 hours,
no function at -40+/-2 °C for 96 hours, function at -30+/-2 °C for 96 hours,
25+/-2°C, 90-95%RH, 5hr→up to 55+/-2°C, 90-95%RH, 0.5hr →55+/-2°C, 90-95%RH,
5hr→down to 25 +/-2 °C, 90-95%RH, 0.5hr, 10 cycles
-40+/-2 °C, 30min→+20 °C,15min,→+85+/-2 °C, 30min→+20 °C,15min, 5 cycles
no function at +90+/-2 °C for 96 hours, function at +85+/-2 °C for 96 hours,
98m/s² (=10g) 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 through reflowing soldering oven 1 times

Warranty

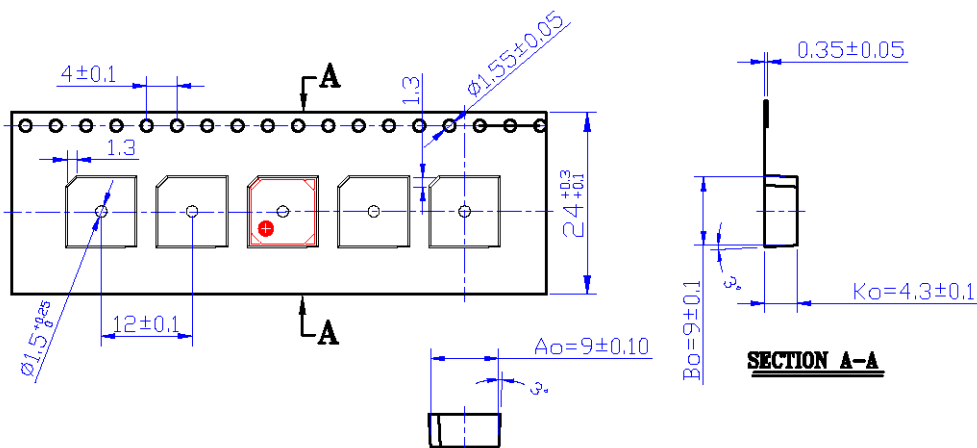
* All specifications must be satisfied after the test (Recovery:2 to 4 hrs of recovery under the standard condition after the removal from test chamber).
**90% min. soldering pads shall be with solder.(except the edge of pad)

Dimensions (Unit: mm)



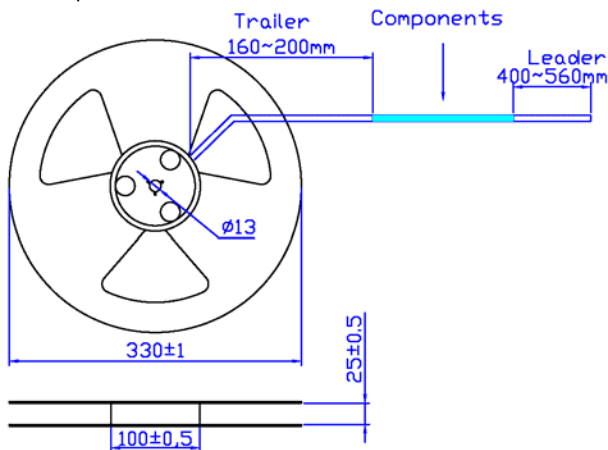
All specifications are subject to change without notice

Tape & Reel Dimensions (Unit:mm)

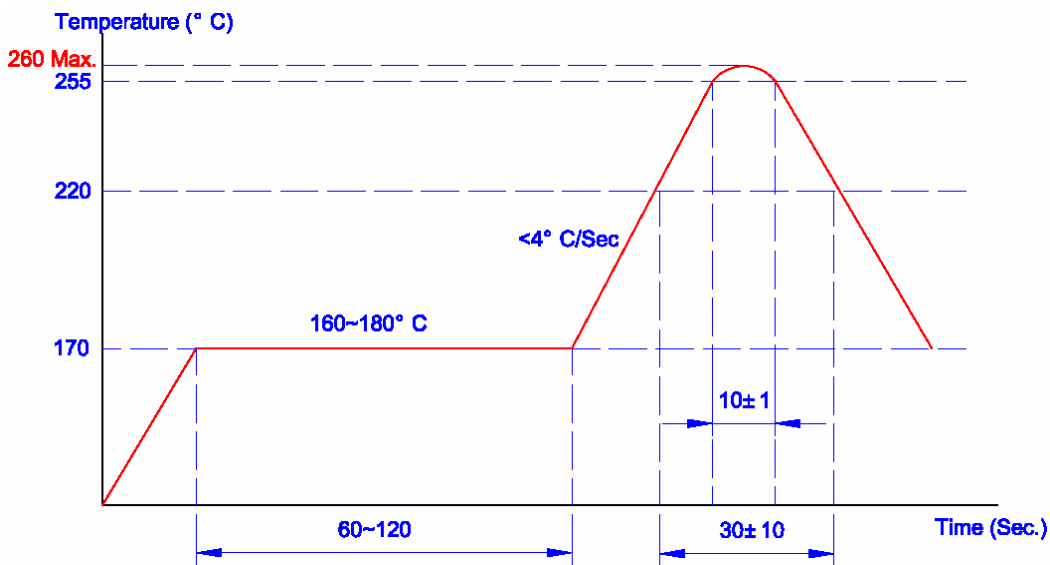


NOTE:

1. 10 sprocket hole pitch cumulative tolerance: ± 0.20 mm.
2. Carrier camber is 1 mm in 100 mm.
3. A0 and B0 measured on a plane on a place 0.30mm above the bottom of the pocket.
4. K0 measured from a plane on the inside bottom of the pocket to the top surface of the carrier.
5. All dimensions meet EIA-481-2-A requirements.
6. Component load per 13" Reel: 1000 pcs.



Recommend Reflowing Profile



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