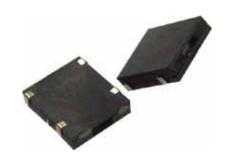
### Description

#### CSET10C3.6-16-2.7F:

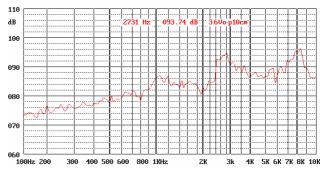
Chinasound SMD Electro-magnetic Transducer 10mm length, type C(= 8.5 width 2.0mm height), 3.6 Vo-p rated voltage - 16ohm coil resistance - 2.731kHz resonant frequency, lead Free solderable and RoHS compliant

- ♦ RoHS compliant
- 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
Coil Resistance
Sound Output
Operating Frequency
Operating Temperature
Storage Temperature
Termination
Construction Materials

Weight (Typical) Reliability 3.6 Vo-p square wave, 1/2 duty square wave 2~4.5 Vo-p square wave, 1/2 duty square wave

90 mA max. at 3.6 Vo-p square wave, 1/2 duty square wave, 2731Hz

16+/-2 ohm

88dB min. (Typ. 92 dB) at 3.6 Vo-p square wave, 1/2 duty square wave, 10cm, 2731Hz

2731+/-500Hz -30 °C to +85 °C -40 °C to +90 °C

 Description
 4 soldering pads, Sn plated Brass

 Case
 Plastic, LCP Vectra E130i

 Diaphragm
 Ni Alloy Disc N50

0.4 g

\*Life Test At 3.6 Vo-p in room temperature continuously for 1000 hours

\*High Temperature 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,

\*Humidity 25+/-2°C, 90-95%RH, 5hr→up to 55+/-2°C, 90-95%RH, 0.5hr →55+/-2°C, 90-95%RH,

5hr $\rightarrow$ down to 25 +/-2 °C, 90-95%RH, 0.5hr, 10 cycles

\*Thermal Shock -40+/-2 °C, 30min →+20 °C,15min, →+85+/-2 °C, 30min →+20 °C,15min, 5 cycles

\*Vibration 1.5mm with 10 to 50Hz of vibration frequency to each of 3 perpendicular direction for 2 hrs

\*Shock 98m/s² (=10g) shock for each mutually perpendicular directions, half sine wave, 3 times each

\*Drop Test Dropped naturally from 750mm height onto the surface of 10mm wooden board. 2 directions –

upper and side of the part are applied

\*Soldering Heat Resistance Samples put through reflowing soldering oven 2 twice

\*\*Solderability

Samples put on PCB with solder paste through reflowing soldering oven 1 times

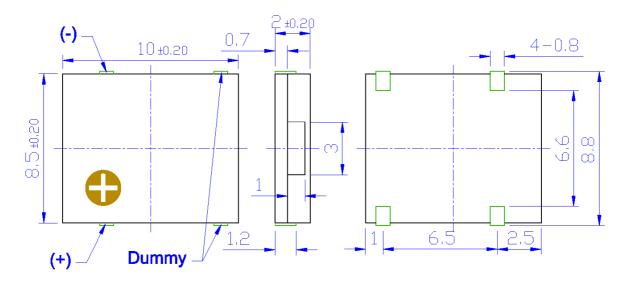
For a period of one (1) year from date of manufacture under normal operations

#### 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).

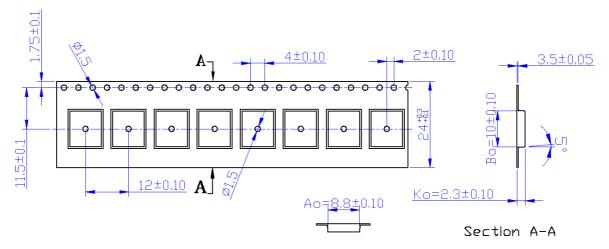
\*\*90% min. soldering pads shall be with solder.(except the edge of pad)

### **Dimensions** (Unit: mm)



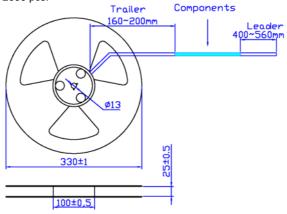


### Tape & Reel Dimensions (Unit:mm)

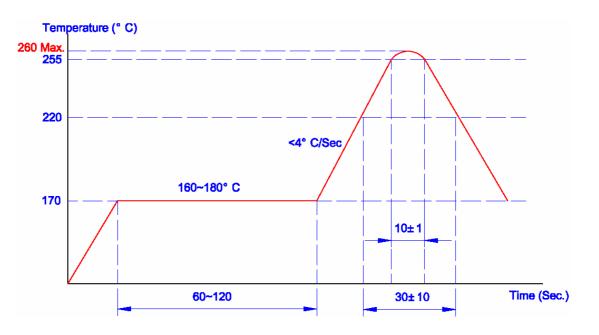


### NOTE:

- 1. 10 sprocket hole pitch cumulative tolerance+/-0.20mm.
- 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: 2000 pcs.



# **Recommend Reflowing Profile**



All specifications are subject to change without notice

