

Type Code

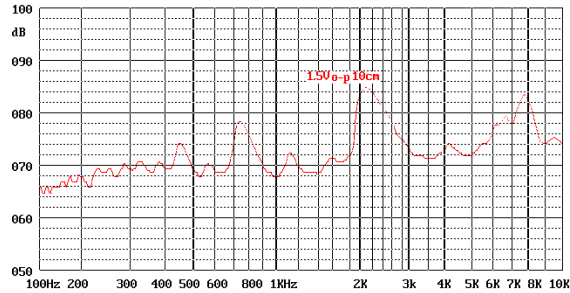
CET12B1.5-16-2.0

Chinasound Electro-magnetic Transducer 12mm diameter, type B(=5.4mm height) – 1.5Vo-p rated voltage - 16ohm coil resistance – 2.0KHz resonant frequency

Picture



Frequency Response Curve



Technical Terms

| Type | CET12B1.5-16-2.0 | |
|------------------------------|-------------------------|----------|
| Rated Voltage (square wave) | (Vo-p) | 1.5 |
| Operating Voltage | (Vo-p) | 1~3 |
| Rated Current at 1.5Vo-p, fo | (mA) | 30 max. |
| Coil Resistance | (ohm) | 16±2 |
| SPL at 1.5Vo-p,10cm, fo | (dB) | 78 min. |
| Resonant Frequency | (Hz) | 2048±500 |
| Operating Temperature | (°C) | -25~+70 |
| Storage Temperature | (°C) | -30~+85 |
| Weight | (g) | 1.4 |

Other Rated Voltage and Coil Resistance are available.

Reliability

| | |
|-----------------------|---|
| Life Test | Operate the part at 1.5Vo-p in room temperature continuously for 1000 hours. |
| Operating Temperature | Driving from -25 °C to +70 °C within 30 minutes for 2 cycles |
| High Temperature | +85±2 °C for 96 hours |
| Low Temperature | -30±2 °C for 96 hours |
| Humidity | 25 °C±2 °C, 90-95%RH, 5hr→up to 55 °C±2 °C, 90-95%RH, 0.5hr →55 °C±2 °C, 90-95%RH, 5hr→down to 25 °C±2 °C, 90-95%RH, 0.5hr, 10 cycles |
| Thermal Shock | -30°C± °C, 30min→+20 °C,15min,→+85 °C±2 °C, 30min→+20 °C,15min, 5 cycles |
| Shock | 98m/s ² (=10g) shock for each 3 mutually perpendicular directions to each of 3 times by half sine wave |
| Vibration | 1.5mm with 10 to 50Hz of vibration frequency to each of 3 perpendicular direction for 2 hrs |
| Drop Test | Dropped naturally from 700mm height onto the surface of 10mm thick wooden board. 2 directions - upper and side of the part are to be applied. |

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)

