

Type Code

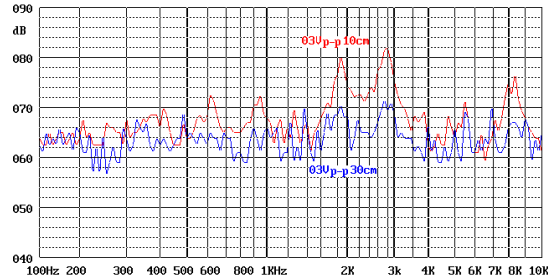
CPT17G03-2.0

Chinasound Piezo Transducer 17mm diameter, type G(=9.8mm height), 3Vp-p rated voltage – 2.0KHz resonant frequency

Picture



Frequency Response Curve



Technical Terms

| | | |
|--|---------------------|-----------|
| Type | CPT17G03-2.0 | |
| Rated Voltage (square wave) | (Vp-p) | 3 |
| Operating Voltage (square wave) | (Vp-p) | 1~30 |
| Rated Current at 3Vp-p, 2.0KHz | (mA) | 1 max. |
| Capacitance at 100Hz, 1V | (pF) | 34000±30% |
| SPL at 3Vp-p square wave, 10cm, 2.0KHz | (dB) | 70 min. |
| Resonant Frequency | (Hz) | 2000±500 |
| Operating Temperature | (°C) | -20~+70 |
| Storage Temperature | (°C) | -30~+80 |
| Weight | (g) | 1.0 |

Reliability

| | |
|-----------------------|---|
| Life Test | Operate the part at 3Vp-p in room temperature continuously for 1000 hours. |
| Operating Temperature | Driving from -20 °C to +70 °C within 30 minutes for 2 cycles |
| High Temperature | +80 °C+/-2 °C, 120hrs |
| Low Temperature | -30 °C+/-2 °C, 120hrs |
| Humidity | +60 °C+/-2 °C, 90~95%RH, 120hrs |
| Thermal Shock | -30 °C+/-2 °C, 1hr→+20 °C,5min,→+80 °C+/-2 °C, 1hr→+20 °C,5min, 5 cycles |
| Shock | 980/s ² (=100g) 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. |

SPL change: within +/-10dB of the initial value(Recovery: 1 to 4 hrs of recovery under the standard condition after the removal from test chamber)

Dimensions (Unit:mm)

