

**Type Code**

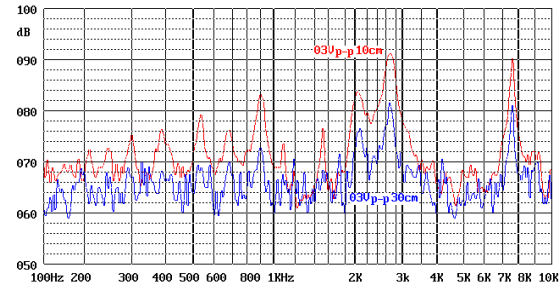
**CPT22C03-2.7:**

*Chinasound Piezo Transducer 22mm width, type C(=27mm height, 7.0mm thickness), 3Vp-p rated voltage – 2.7KHz resonant frequency*

**Picture**



**Frequency Response Curve**



**Technical Terms**

Type	CPT22C03-2.7	
Rated Voltage (square wave)	(Vp-p)	3
Operating Voltage (square wave)	(Vp-p)	1~20
Rated Current at 3Vp-p, 2.7KHz	(mA)	1 max.
Capacitance at 100Hz, 1V	(pF)	19000 ± 30%
SPL at 3Vp-p square wave, 10cm, 2.7KHz	(dB)	85 min.
Resonant Frequency	(Hz)	2700 ± 500
Operating Temperature	(°C)	-40~+105
Storage Temperature	(°C)	-40~+125
Weight	(g)	2.3

**Reliability**

Life Test	Operate the part at 3Vp-p in room temperature continuously for 1000 hours.
Operating Temperature	Driving from -40 °C to +105 °C within 30 minutes for 2 cycles
High Temperature	+125 °C +/- 2 °C, 120hrs
Low Temperature	-40 °C +/- 2 °C, 120hrs
Humidity	+60 °C +/- 2 °C, 90~95%RH, 120hrs
Thermal Shock	-40 °C +/- 2 °C, 1hr → +20 °C, 5min, → +125 °C +/- 2 °C, 1hr → +20 °C, 5min, 5 cycles
Shock	980m/s <sup>2</sup> (=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)**

