

Type Code

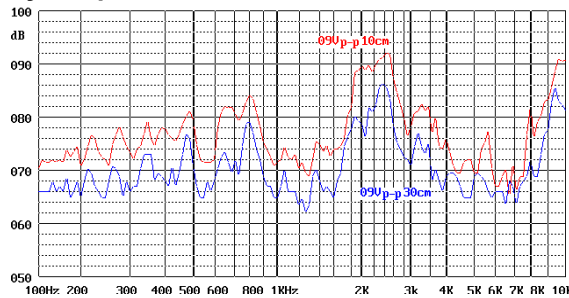
CPT22F09-2.5:

Chinasound Piezo Transducer 21.8(<22mm) diameter, type F(=11.0mm height), 9Vp-p rated voltage – 2.5KHz resonant frequency

Picture



Frequency Response Curve



Technical Terms

Type	CPT22F09-2.5	
Rated Voltage (square wave)	(Vp-p)	9
Operating Voltage (square wave)	(Vp-p)	1~30
Rated Current at 9Vp-p, 2.5KHz	(mA)	3 max.
Capacitance at 100Hz, 1V	(pF)	19000 ± 30%
SPL at 9Vp-p square wave, 10cm, 2.5KHz	(dB)	85 min.
Resonant Frequency	(Hz)	2500 ± 500
Operating Temperature	(°C)	-30~+70
Storage Temperature	(°C)	-40~+85
Weight	(g)	2.5

Reliability

Life Test	Operate the part at 9Vp-p in room temperature continuously for 1000 hours.
Operating Temperature	Driving from -30 °C to +70 °C within 30 minutes for 2 cycles
High Temperature	+85 °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,→+85 °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.

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)

