

**Type Code**

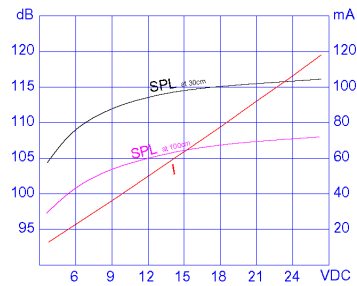
**CPB50A12-2.5:**

*Chinasound Piezo Buzzer 50mm diameter, type A (=29mm height), 12VDC rated voltage – 2.5KHz resonant frequency*

**Picture**



**Characteristics**



**Technical Terms**

Type	<b>CPB50A12-2.5</b>	
Rated Voltage	(VDC)	12
Operating Voltage	(VDC)	3~20
Rated Current at 12VDC	(mA)	70 max.
Sound Output at 12VDC, 100cm	(dB)	100 min.
Resonant Frequency	(Hz)	2500 ± 500
Tone	Continuous	
Operating Temperature	(°C)	-20~+65
Storage Temperature	(°C)	-30~+70
Weight	(g)	27.3

**Reliability**

Life Test	Operate the part at 12VDC in room temperature continuously for 1000 hours.
Operating Temperature	Driving from -20 °C to +65 °C within 30 minutes for 2 cycles
High Temperature	+70 °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,→+70 °C+/-2 °C, 1hr→+20 °C,5min, 5 cycles
Shock	980/s <sup>2</sup> 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)**

