

Type Code

CPB23B12-3.8:

Chinasound Piezo Buzzer 23mm diameter, type B (=9.8mm height), 12VDC rated voltage – 3.8KHz resonant frequency

Picture



Characteristics



Technical Terms

Type		CPB23B12-3.8
Rated Voltage	(VDC)	12
Operating Voltage	(VDC)	3~20
Rated Current at 12VDC	(mA)	8 max.
Sound Output at 12VDC, 10cm	(dB)	90dB min.
Resonant Frequency	(Hz)	3800+/-500
Tone		Continuous
Operating Temperature	(°C)	-20~+70
Storage Temperature	(°C)	-30~+85
Weight	(g)	3.2

Reliability

Life Test	Operate the part at 12VDC in room temperature continuously for 1000 hours.
Operating Temperature	Driving from -20 °C to +70 °C within 30 minutes for 2 cycles
High Temperature	+85 °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,→+85 °C+/-2 °C, 1hr→+20 °C,5min, 5 cycles
Shock	980m/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)

