

Type Code

CPB42A12-3.0I-W150:

Chinasound Piezo Buzzer 41.5(<42)mm diameter, type A (=16mm height, 12VDC rated voltage – 3.0KHz resonant frequency, Intermittent tone – Wire length 150mm

Picture



Characteristics



Technical Terms

Type	CPB42A12-3.0I-W150	
Rated Voltage	(VDC)	12
Operating Voltage	(VDC)	3~24
Rated Current at 12VDC	(mA)	20 max.
Sound Output at 12VDC, 100cm	(dB)	100 min.
Resonant Frequency	(Hz)	3000+/-500
Tone	Intermittent Tone	
Operating Temperature	(°C)	-20~+60
Storage Temperature	(°C)	-30~+70
Weight	(g)	13

Reliability

Life Test	Operate the part at 12VDC in room temperature continuously for 1000 hours.
Operating Temperature	Driving from -20 °C to +60 °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	98m/s ² 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)

