

Type Code

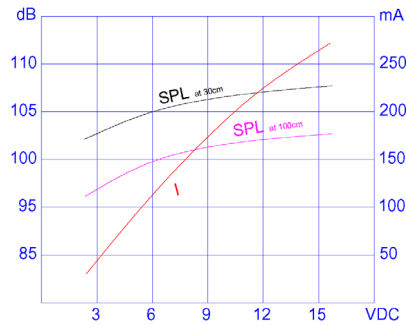
CPB42B09-2.8S-W150:

Chinasound Piezo Buzzer 42mm diameter, type B (=18mm height), 9VDC rated voltage – 2.8KHz resonant frequency
Siren tone – Wire length 150mm

Picture



Characteristics



Technical Terms

Type	CPB42B09-2.8S-W150	
Rated Voltage	(VDC)	9
Operating Voltage	(VDC)	7~20
Rated Current at 9VAC	(mA)	200 max.
Sound Output at 9VDC 30cm	(dB)	100 min.
Resonant Frequency	(Hz)	2800+/-500
Tone Mode	Siren Tone	
Operating Temperature	(°C)	-20~+65
Storage Temperature	(°C)	-30~+70
Weight	(g)	17

Reliability

Life Test	Operate the part at 9VDC in room temperature continuously for 240 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 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.

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)

