

**Type Code**

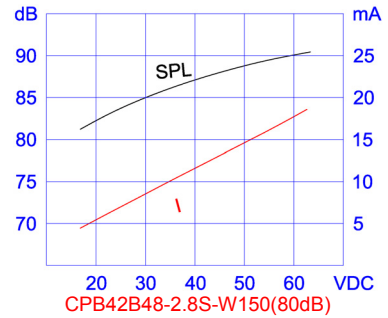
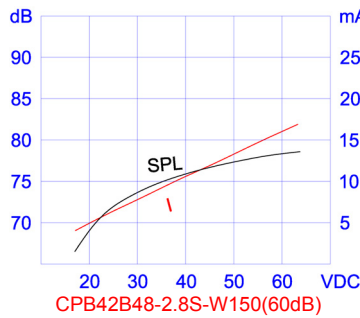
**CPB42B48-2.8S-W150(60dB or 80dB):**

*Chinasound Piezo Buzzer 42mm diameter, type B (=18mm height), 48VDC rated voltage – 2.8KHz resonant frequency, Siren tone – Wire length 150mm (60db version) or (80db version)*

**Picture**



**Characteristics**



**Technical Terms**

Type	CPB42B110-2.8S-W150(60dB)	CPB42B110-2.8S-W150(80dB)
Rated Voltage (VDC)		48
Operating Voltage (VDC)		20~68
Rated Current at 48VDC (mA)	15 max.	18 max.
Sound Output at 48VDC 1m (dB)	60 min.	80 min.
Resonant Frequency (Hz)		2800+/-500
Tone Mode		Siren
Operating Temperature (°C)		-20~+65
Storage Temperature (°C)		-30~+70
Weight (g)		17

**Reliability**

Life Test	Operate the part at 48VDC 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> (=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)**

