

Type Code

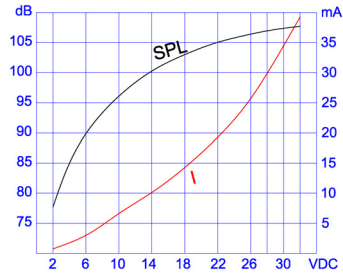
CPB30C28-3.7-W150:

Challenge Piezo Buzzer 29.5(<30)mm diameter, type C (=24.5mm height), 28VDC rated voltage – 3.7KHz resonant frequency – Wire length 150mm

Picture



Characteristics



Technical Terms

Type	CPT30C28-3.7-W150	
Rated Voltage	(VDC)	28
Operating Voltage	(VDC)	3~32
Rated Current at 28VDC	(mA)	30 max.
Sound Output at 28VDC, 100cm	(dB)	100dB min.
Resonant Frequency	(Hz)	3700 ± 500
Tone		Continuous
Operating Temperature	(°C)	-20~+70
Storage Temperature	(°C)	-30~+80
Weight	(g)	11.8

Reliability

Life Test	Operate the part at 28VDC in room temperature continuously for 250 hours.
Operating Temperature	Driving from -20 °C to +70 °C within 30 minutes for 2 cycles
High Temperature	+80 °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,→+80 °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)

