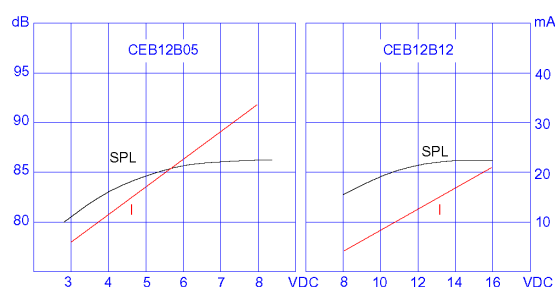


Type Code**CEB12B05/12-3.1***Chinasound Electro-magnetic Buzzer 12mm diameter, type B(=7.5mm height), 5/12VDC rated voltage – 3.1KHz resonant frequency***Picture****Characteristics****Technical Terms**

Type		CEB12B05-3.1	CEB12B12-3.1
Rated Voltage	(VDC)	5	12
Operating Voltage	(VDC)	4~7	8~15
Rated Current at Rated Voltage	(mA)	30 max.	30 max.
Sound Output at Rated Voltage 10cm	(dB)	83 min.	83 min.
Resonant Freq.	(Hz)	3100+/-300	3100+/-300
Operating Temperature	(°C)	-25~+70	-25~+70
Storage Temperature	(°C)	-30~+80	-30~+80
Weight	(g)	1.4	1.4

Reliability

Life Test	Operate the part at Rated Voltage in room temperature continuously for 1000 hours.
Operating Temperature	Driving from -25 °C to +70 °C within 30 minutes for 2 cycles
High Temperature	+80+/-2 °C for 96 hours
Low Temperature	-30+/-2 °C for 96 hours
Humidity	25 °C+/-2 °C, 90-95%RH, 5hr→up to 55 °C+/-2 °C, 90-95%RH, 0.5hr →55 °C+/-2 °C, 90-95%RH, 5hr→down to 25 °C+/-2 °C, 90-95%RH, 0.5hr, 10 cycles
Thermal Shock	-30 °C+/-2 °C, 30min→+20 °C, 15min, →+80 °C+/-2 °C, 30min→+20 °C, 15min, 5 cycles
Shock	98m/s ² (=10g) shock for each 3 mutually perpendicular directions to each of 3 times 11ms 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)