

Type Code

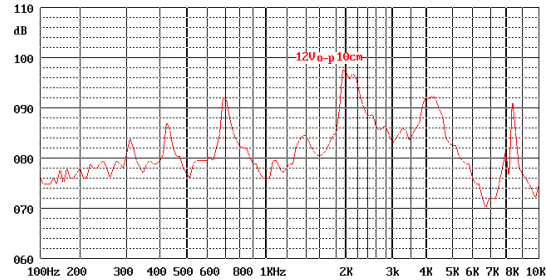
CET16Z12-140-2.0

Chinasound Electro-magnetic Transducer 16mm diameter, type Z(=14mm height, bottom sealed with epoxy), 12Vo-p rated voltage - 140ohm coil resistance – 2.0KHz resonant frequency

Picture



Frequency Response Curve



Technical Terms

Type	CET16Z12-140-2.0	
Rated Voltage (square wave, 1/2 duty square wave)	(Vo-p)	12
Operating Voltage (square wave, 1/2 duty square wave)	(Vo-p)	7~16
Rated Current at 12Vo-p, fo, 1/2 duty square wave	(mA)	40 max.
Coil Resistance	(ohm)	140+/-14
SPL at 12Vo-p,10cm, fo, 1/2 duty square wave	(dB)	85dB min.
Resonant Frequency	(Hz)	2048+/-500
Operating Temperature	(°C)	-30~+70
Storage Temperature	(°C)	-40~+85
Weight	(g)	4.6

Reliability

Life Test	Operate the part at 12Vo-p in room temperature continuously for 1000 hours.
Operating Temperature	Driving from -30 °C to+70 °C within 30 minutes for 2 cycles
High Temperature	+85+/-2 °C for 96 hours
Low Temperature	-40+/-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	-40°C+/-2 °C, 30min→+20 °C,15min,→+85°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 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)

