

Type Code

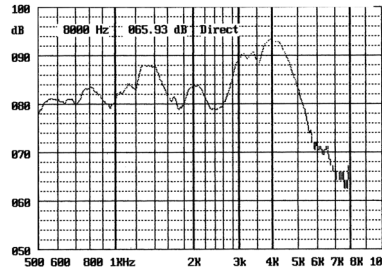
CET09A1.5-5.5-3.1

Chinasound Electro-magnetic Transducer 9.6mm diameter; type A(=7.1mm height), 1.5Vp-p rated voltage – 5.5ohm coil resistance – 3.1KHz resonant frequency

Picture



Frequency Response Curve



Technical Terms

Type	CET09A1.5-5.5-3.1	
Rated Voltage (square wave, 1/2 duty)	(Vo-p)	1.5
Operating Voltage (square wave, 1/2 duty)	(Vo-p)	1~2
Rated Current at 1.5Vo-p, fo	(mA)	80 max.
Coil Resistance	(ohm)	5.5 ± 1
SPL at 1.5Vo-p, 10cm, fo	(dB)	80dB min.
Resonant Frequency	(Hz)	3100 +/- 500
Operating Temperature	(°C)	-20~+60
Storage Temperature	(°C)	-30~+70
Weight	(g)	1

Other Rated Voltage and Coil Resistance are available.

Reliability

Life Test	Operate the part at 1.5Vo-p in room temperature continuously for 1000 hours.
Operating Temperature	Driving from -20 °C to +60 °C within 30 minutes for 2 cycles
High Temperature	+70 +/- 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	-20 °C +/- 2 °C, 30min → +20 °C, 15min, → +70 °C +/- 2 °C, 30min → +20 °C, 15min, 5 cycles
Shock	980/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)

