



**HESTORE.HU**

elektronikai alkatrész áruház

**EN:** This Datasheet is presented by the manufacturer.

Please visit our website for pricing and availability at [www.hestore.hu](http://www.hestore.hu).

## ELECTRICAL AND ACOUSTICAL SPECIFICATION

## LOUDITY

Item	LD-SP-2808
Dimension	φ28×4.7t
Rated Input Power	0.5W
Max Input Power	1.0W
Rated Impedance	8±15% Ω /2KHz/1V
Resonance Frequency(f0)	400±20% Hz/1V
Sound Pressure Level	81±3 dB at (AVG 0.8,1.0,1.2,1.5)KHz 1W/1m baffleboard (IEC)
Frequency Range	300HZ ~ 6KHz
Total Harmonic Distortion	5%MAX. at 1KHz, 0.5W
Flux Density	0.6T
Polarity	When a positive DC Current is applied to the voice coil terminal marked +or red ,the diaphragm shall move forward
OperationTest	Must be normal at sine wave and program source 0.5W.
Buzz,Rattle,etc.	Should not be audible at 2.0V sine wave between (300 Hz ~ 6kHz)
Weight	6 g
Voice Coil Diameter	φ10.4 mm
Magnet (NdFeB)	φ9.5×1.5t mm
Appearance	Should not exist any obstacle to be harmful to normal operation;damages,cracks,rusts and distortions,etc.

## ENVIRONMENTAL TEST

## LOUDITY

Item	LD-SP-2808
High temp. Test	Keep 96 hours at +60°C±3 °C and leave 3 hours in normal temperature and then check
Low temp. Test	Keep 96 hours at -30 °C ±3 °C and leave 3 hours in normal temperature and then check
Humidity test	Keep 96 hours at + 40 °C ±3 °C relative humidity 95% and leave 3 hours in normal temperature and then checked.
Thermal cycle test.	Low temperature: -30°C ± 3°C, temperature:+60°C ± 3°C, cycle: 1 hour/cycle each, and then keep 5 cycles in a room.
Vibration	10~55~10Hz sin-wave sweep 15min. 5G(constant) X,Y, Z 3 direction. 2 hours each, total 6 hours.
Drop test	Free drop a unit from 100cm height to a board of 20mm thick x,y, z 6 direction. 1 times each, total 6 times.
Load test	Rated Power white noise is applied for 96 hours
Max Power test	Max power 1 min on – 2 min off 10 cycles.
Terminal strength test	Capable of withstand 1kg load for 15seconds without resulting in any damage or rejection.

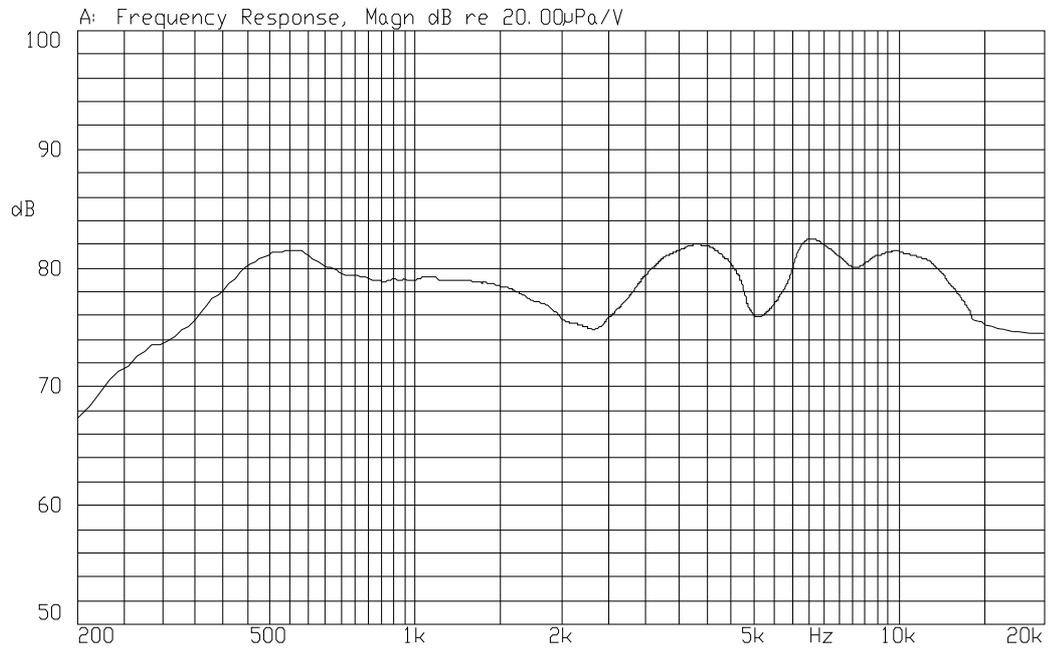
### PASS CRITERION :

After these test , the change of S.P.L shall be within  $\pm 3$  dB .

# FREQUENCY RESPONSE CURVE

# LOUDITY

LD-SP-2808 1m 1W 2.83V



## DIMENSIONS

Unless otherwise specified, tolerance:  $\pm 0.3$  (unit: mm)

