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 diaphram 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

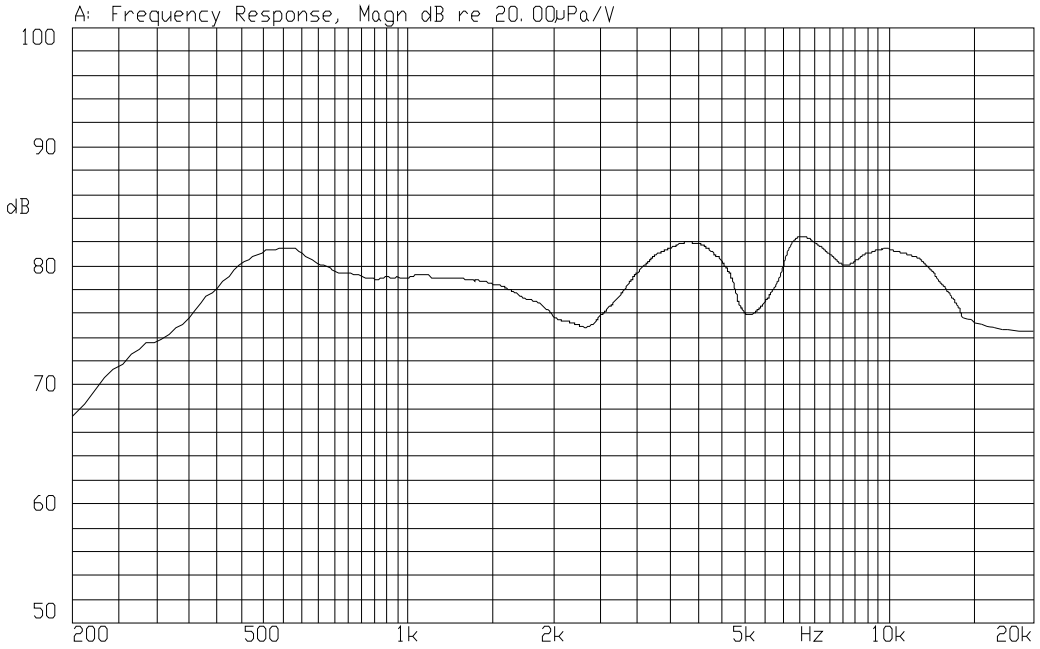
LOUDITY

Item	LD-SP-2808
High temp. Test	Keep 96 hours at +60ºC±3 ºC and leave 3 hours in normal temperature and then check
Low temp. Test	Keep 96 hours at -30 ºC ±3 ºC and leave 3 hours in normal temperature and then check
Humidity test	Keep 96 hours at + 40 ºC ±3 ºC relative humidity 95% and leave 3 hours in normal temperature and then checked.
Thermal cycle test.	Low temperature: -30ºC ±3ºC, temperature:+60ºC ±3ºC, 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 ±3 dB .	

FREQUENCY RESPONSE CURVE

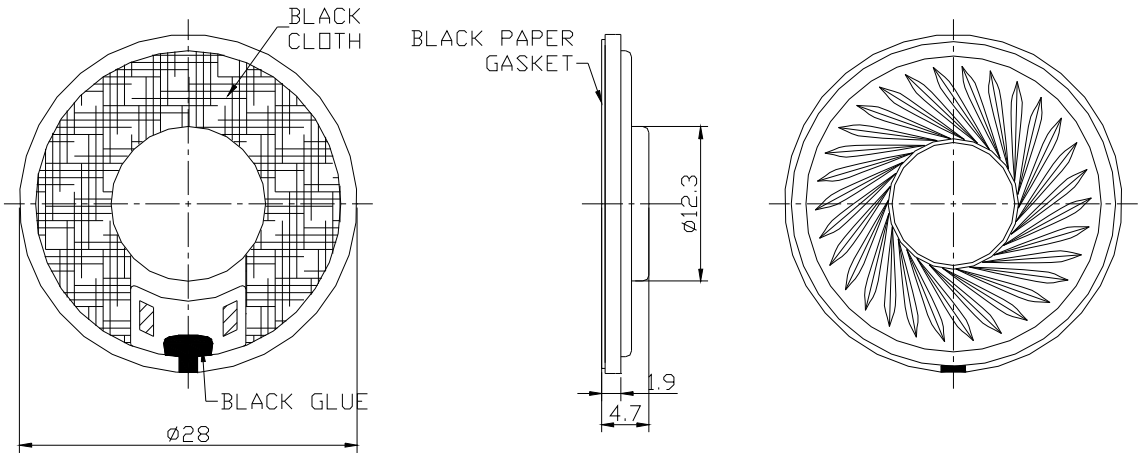
LOUDITY

LD-SP-2808 1m 1W 2.83V



DIMENSIONS

Unless otherwise specified,tolerance:±0.3(unit:mm)



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