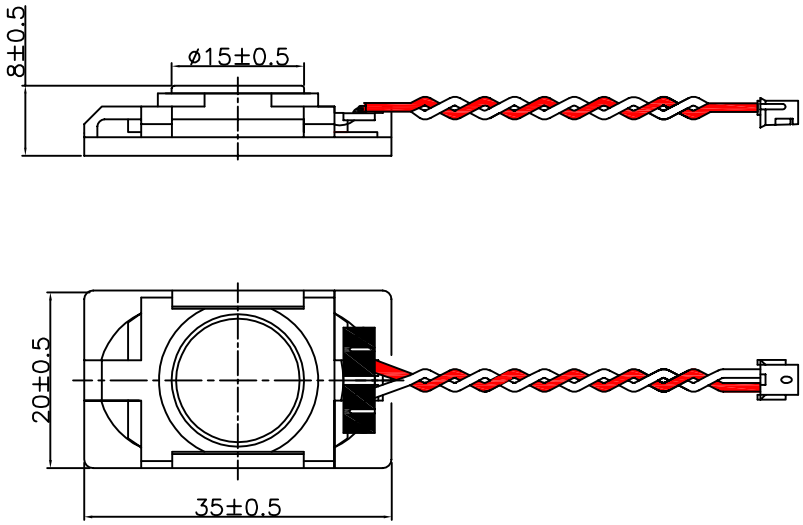
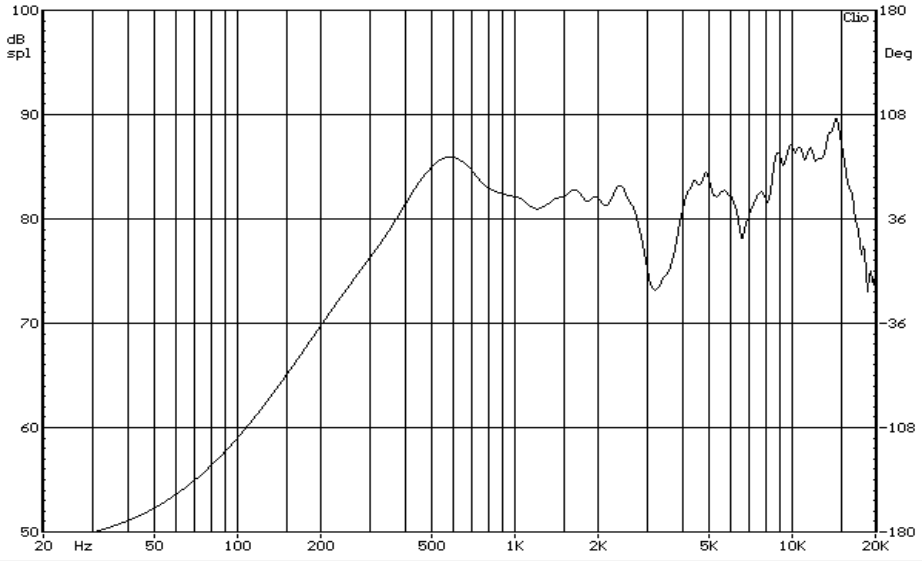


ITEM		SPECIFICATION	REMARKS
1	Dimensions	35 x 20 x 8mm	O.D. of radiating plane
2	Impedance	8Ω±15%	@ 1.5kHz/1V
3	Input Power	2.0W/2.5W	RMS/Peak
4	Lowest Resonant Frequency, F_0	500Hz ±20%	Constant Voltage (1V)
5	SPL output	83dB ±3dB	Measured 1W/0.5m @ 0.8/1.0/1.2 /1.5 kHz using IEC baffle 268-5
6	Effective Frequency Range	F_0 to 10kHz	See Typical Frequency Response
7	Total Harmonic Distortion	<5%	Measured @ 2 kHz/1W/0.1m
8	Magnet Dimension	Ø11 x 2 and 11x1.5mm	OD xH (Nd-Fe-B)
TESTS			
9	Operation Test	White noise of 2W is applied for 96h.	The speaker must meet items 5&6 after test
10	Max. Input Power	The speaker shall be exposed to white noise of 2.5W for 1min.	
11	Polarity	A positive DC current is applied to the terminal marked +	The diaphragm shall move forward
12	Vibration (no box)	10 sweeps of 3 minute duration from 10Hz-30Hz-10Hz (Double Amplitude – 0.75mm)	There shall be no buzz/rattle and the part shall exhibit no physical damage (rivets, weld and glue must hold, no scratches or burrs on surfaces and no peeling of paint/coating)
		10 sweeps of 3 minute duration from 30Hz-55Hz-30Hz (Double Amplitude – 0.55mm)	
13	Drop Test (in box)	Speakers properly packaged in their shipping carton are dropped on each side of the carton except the top from a height of 80cm (carton GW≤10kg) or 60cm (10kg<carton GW≤25kg)	
14	Low Temperature Exposure	The speaker shall be exposed to -40 ±2°C, 50%RH for 96h with a 1h rest at room temperature.	The speaker must meet items 5&6 after test
15	High Temperature Exposure	The speaker shall be exposed to 85 ±2°C, 50%RH for 96h with a 1h rest at room temperature.	
16	Operating Temperature	-40 to 85 °C	
17	Humidity Exposure	The speaker shall be exposed to 40±2°C, 92±2%RH for 96h with a 1h rest at room temperature.	

Typical Frequency Response



Stetron International Inc.

LoudSpeaker Specification
35x20mm, 8Ω, Nd-Fe-B Magnet, 2.0W

SIZE	DRAWN BY	PART No.
A		P3520008NC008AR

SCALE	DATE	SHEET
N/A	28-July-09	1 of 1

REV	DWG No. / FILE
0.1	DB09-019