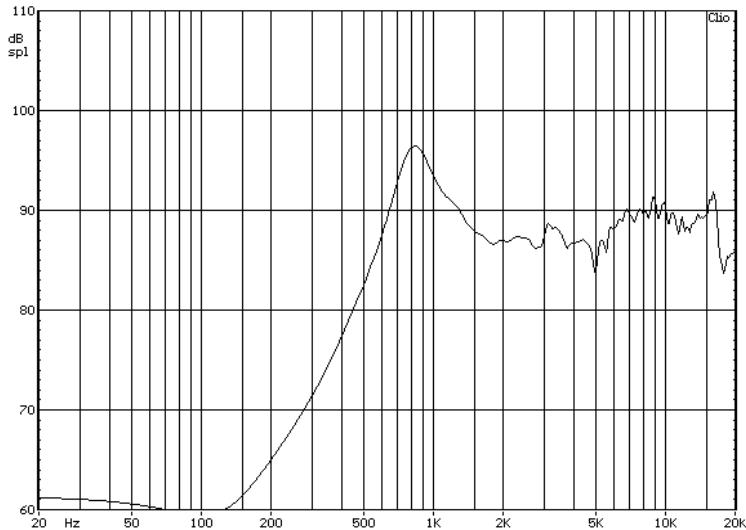



Typical Frequency Response



ITEM		SPECIFICATION	REMARKS
1	Dimensions	Ø28.0 x 5.7mm	O.D. of radiating plane
2	Impedance	4Ω±15%	@ 1.5kHz/1V
3	Input Power	0.5w/1.0w	RMS/Peak
4	Lowest Resonant Frequency, F <sub>0</sub>	750Hz ±20%	Constant Voltage (1V)
5	SPL output	92dB ±3dB	Measured 0.1W/0.1m @ 0.8/1.0/1.2 /1.5 kHz using IEC baffle 268-5
6	Effective Frequency Range	F <sub>0</sub> to 8kHz	See Typical Frequency Response
7	Total Harmonic Distortion	<5%	Measured @ 2 kHz/0.1W/0.1m
8	Magnet Dimension	Ø9.5 x 1.5mm	OD xH (Nd-Fe-B)

**TESTS**

9	Operation Test	White noise of 0.5W 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 1.0W 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)	The speaker must meet items 5&6 after test
14	Low Temperature Exposure	The speaker shall be exposed to -20 ±2°C, 50%RH for 96h with a 1h rest at room temperature.	
15	High Temperature Exposure	The speaker shall be exposed to 60 ±2°C, 50%RH for 96h with a 1h rest at room temperature.	
16	Humidity Exposure	The speaker shall be exposed to 40±2°C, 92±2%RH for 96h with a 1h rest at room temperature.	

	Stetron International Inc. LoudSpeaker Specification ø28x5.7mm, 4Ω, Mylar cone Nd-Fe-B Magnet, 0.5W	
	SIZE <b>A</b>	DRAWN BY
SCALE <b>N/A</b>	DATE <b>16-July-09</b>	SHEET <b>1 of 1</b>
REV <b>0.4</b>	DWG No. / FILE	<b>DB07-051</b>