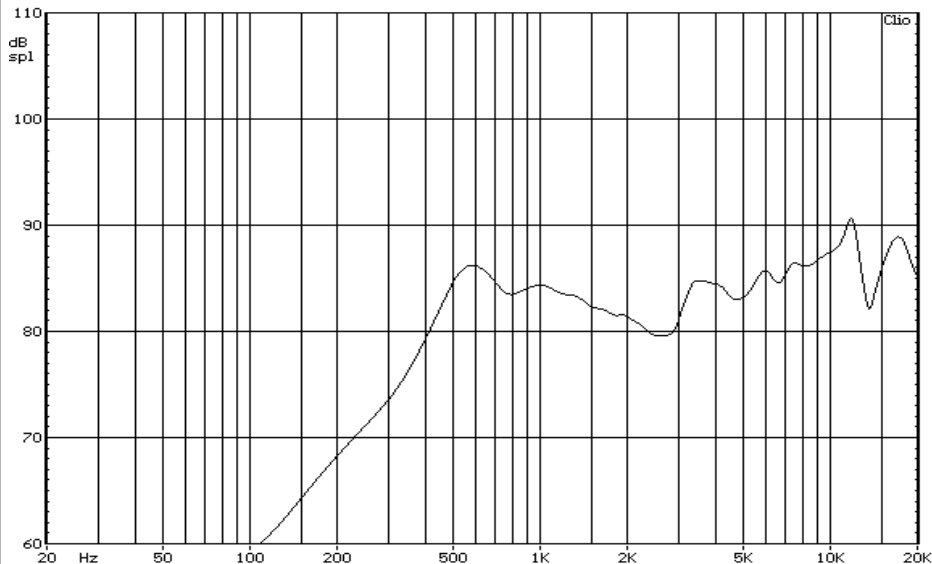



Typical Frequency Response



ITEM		SPECIFICATION	REMARKS
1	Dimensions	ø28x11mm	
2	Impedance	4Ω ±15%	@ 1.0kHz, 1V <sub>RMS</sub>
3	Input Power	2W/3W	RMS/Peak
4	Lowest Resonant Frequency, F <sub>0</sub>	520Hz ±20%	Constant Voltage (1V <sub>RMS</sub> )
5	SPL	85dB ±3dB	Measured @ 1.0W/0.5m Avg. (0.8/1.0/1.2/1.5) in IEC Baffle 268-5
6	Effective Frequency Range	F <sub>0</sub> to 15kHz	See typical frequency response
7	Total Harmonic Distortion	<5%	Measured @ 2kHz/1W/0.5m
8	Magnet Dimension	Ø12.5 x 2.0mm	Nd-Fe-B

TESTS

9	Operation Test	EIA white noise of 2.0W is applied for 96h.	
10	Max. Input Power	The speaker shall be exposed to EIA white noise of 3.0 W for 1min.	The speaker must meet items 5&6 after test
11	Buzz & Rattle Test	2.83V sinusoidal input swept from F <sub>0</sub> to 15kHz	No buzzing or rattles shall occur
12	Polarity	A positive DC current is applied to the terminal marked +	The diaphragm shall move forward
13	Vibration (no box)	10 sweeps of 3 minute duration from 10Hz-30Hz-10Hz (Double Amplitude – 0.55mm)	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)	
14	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)	
15	Shock/Impact (no box)	The part shall be exposed to an impact force of 100m/s <sup>2</sup> (10G), 1000±10x	No buzzing or rattles shall occur
16	High Temperature Exposure	The speaker shall be exposed to 60±3°C, 90%RH for 96h with a 1h rest at room temperature.	The speaker must meet items 5&6 after test
17	Humidity Exposure	The speaker shall be exposed to 40±2°C, 92%RH for 96h with a 1h rest at room temperature.	

 <b>Stetron International Inc.</b>		Loudspeaker: 2.0 W, Nd-Fe-B magnet ø28x11mm, 4 Ω, Metal frame, RoHS	
SIZE	DRAWN BY	PART No.	
<b>A</b>		<b>U0028004NC08CAR</b>	
SCALE	N/A	DATE	SHEET
		<b>4-Feb-08</b>	<b>1 of 1</b>
REV	0.0	DWG No. / FILE	
		<b>DB08-002</b>	