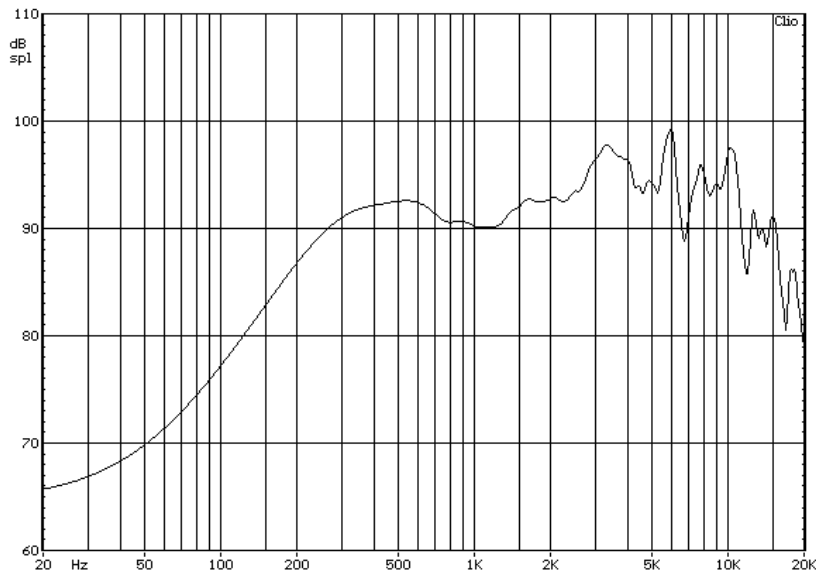



Parameter	Specification	Remarks
1. Dimensions	φ50mm	Outside Dimension
2. Impedance	4Ω ±15%	@ 1kHz/1.0V <sub>RMS</sub>
3. Continuous/Peak Power Input	2 W / 4W	
4. Lowest Resonant Frequency, F <sub>0</sub>	280±20%	Constant Voltage (1.0V <sub>RMS</sub> )
5. Sensitivity	91±3 dB	Tested at 1.0W/0.5m @ (0.6/0.7/ 0.8/1.0) KHz avg. in IEC 268-5 baffle
6. Effective Frequency Range	F <sub>0</sub> to 6 kHz	
7. Operation Test	2.0W / 4.0W	
8. Total Harmonic Distortion	<3 %	1,000 Hz ( 2W/0.5m)
9. Polarity	When a positive DC current is applied to the Terminal marked +, the diaphragm shall move forward	
10. Magnet	φ9.5x3 / φ9.5x2mm	Nd-Fe-B (φD x h)

#### TESTS

1. Extraneous Noise	2.83 V <sub>RMS</sub> from F <sub>0</sub> to 6 kHz	No Buzzes or Rattles shall occur
2. Max. Input Power	1kHz Sine wave of 4.0W applied for 1 min.	All parameters must remain within specified limits
3. Drop Test	Speaker mounted in box dropped 18x from a height of 1m to a 5mm thick board	
4. Load Test	White Noise (2.0W) applied for 96h	Must meet items 5 to 6 after test
5. High Temperature Test	+70±3°C, 50%RH for 96h with 1h rest at room temperature	
6. Low temperature test	-40±3°C	
7. Humidity Test	+40±3°C, 90%RH for 96h with 1h rest at room temperature	

### Typical Frequency Response



 <b>Stetron International Inc.</b>		Loudspeaker Specifications φ50 mm, 4 Ω Neodymium Magnet Rated power 2.0W Metal frame, RoHS compliant	
SIZE	DRAWN BY	PART No.	
<b>A</b>		<b>P0050004NM038AR</b>	
SCALE	<b>N/A</b>	DATE	SHEET
		<b>22-Jan-09</b>	<b>1 of 1</b>
REV	<b>0.1</b>	DWG No. / FILE	<b>DB07-065</b>