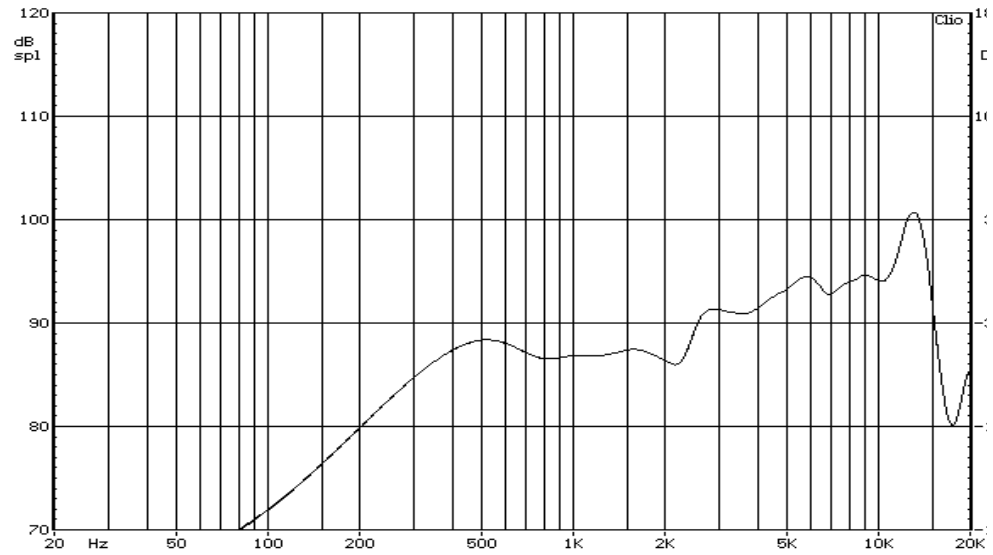


Parameter	Specification	Remarks
1. Dimensions	φ31mm	Outside Dimension of Radiating Plane
2. Impedance	20Ω ±15%	@ 1kHz/1.0V <sub>RMS</sub>
3. Continuous/Peak Power Input	2.0W / 3.0W	
4. Lowest Resonant Frequency, F <sub>0</sub>	350 Hz ±20%	Constant Voltage (1.0V <sub>RMS</sub> )
5. Sensitivity	88±3 dB	Test conditions at 0.1W/0.1m avg. @ (0.5/0.63/0.8/1.0/1.2/1.5/2.0) kHz
6. Effective Frequency Range	F <sub>0</sub> to 10kHz	
7. Operation Test	2.0W	
8. Total Harmonic Distortion	<5%	1,000 Hz @ 4.47V /0.5m
9. Q <sub>TS</sub>	<2.2	Constant Voltage (1.0V <sub>RMS</sub> )
10. Polarity	When a positive DC current is applied to the Terminal marked +, the diaphragm shall move forward	
11. Magnet	φ12.5 x 3mm	Nd-Fe-B (φD x h)

TESTS		
1. Extraneous Noise	6.32 V <sub>RMS</sub> from F <sub>0</sub> to 5kHz	No Buzzes or Rattles shall occur
2. Max. Input Power	1kHz Sine wave of 7.74V 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 & 10 after test
5. High Temperature Test	+70±3°C, 50%RH for 96h with 1h rest at room temperature	
6. Humidity Test	+40±3°C, 90%RH for 96h with 1h rest at room temperature	
7. ESD Test	No arcing should occur at ≤16kV	ESD test done according to IEC 801-2 (1991-04)

Typical Frequency Response



	Loudspeaker Specifications	
	φ31mm, 20Ω, Nd-Fe-B magnet, Rated power: 2.0W	
SIZE	DRAWN BY	PART No.
<b>A</b>		<b>D0031020NP125AR</b>
SCALE	DATE	SHEET
N/A	20-Apr-09	1 of 1
REV	DWG No. / FILE	
1.2		<b>DM08-020</b>