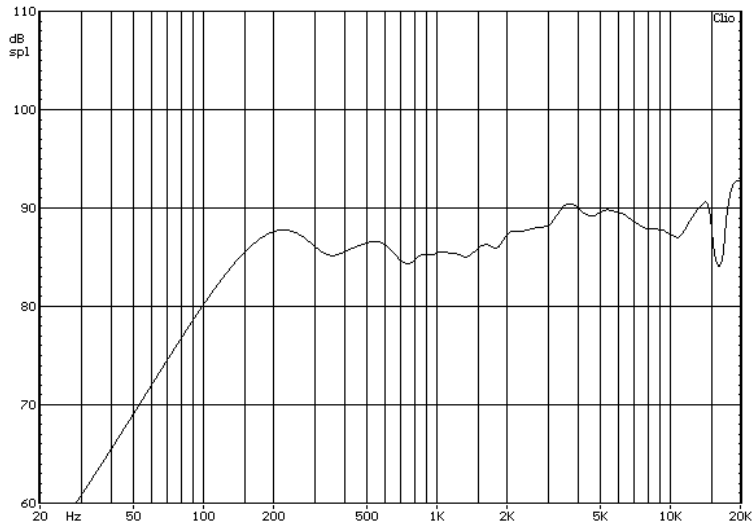


Typical Frequency Response



Parameter	Specification	Remarks
1. Dimensions	$\phi 52$ mm	Outside Dimension of Radiating Plane
2. Impedance	$8\Omega \pm 15\%$	@1kHz/1.0V _{RMS}
3. Continuous/Peak Power Input	2.0W / 4.0W	
4. Lowest Resonant Frequency, F ₀	160Hz $\pm 20\%$	Constant Voltage (1.0V _{RMS})
5. Output SPL	85 ± 3 dB	Measured at 1W/0.5m @ (0.4/0.5/0.6/0.8) kHz in IEC 268-5 Baffle
6. Qts	<1.5	Constant Voltage (1.0V _{RMS})
7. Effective Frequency Range	F ₀ to 12kHz	See Typical Frequency response
8. Total Harmonic Distortion	<2% (500 Hz – 7kHz)	2.0W/0.5m
9. Polarity	When a positive DC current is applied to the Terminal marked +, the diaphragm shall move forward	
10. Magnet	$\phi 12.5 \times 3.5$ mm	Nd-Fe-B ($\phi D \times h$)

TESTS

1. Extraneous Noise	4.0V _{RMS} from F ₀ to 12kHz	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 – 9 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	

		Loudspeaker Specification 52mm/8 Ω , Nd-Fe-B Magnet paper cone, RoHS compliant	
SIZE	DRAWN BY	PART No.	
A		D0052008NU10HAR	
SCALE	DATE	SHEET	
N/A	15-APR-08	1 of 1	
REV	DWG No. / FILE		
1.5		DM07-011	