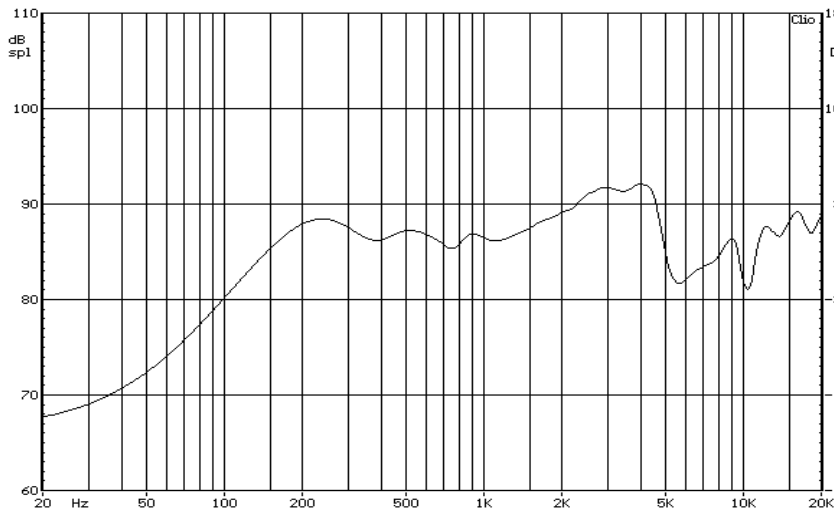



Parameter	Specification	Remarks
1. Dimensions	$\phi 50$ mm	Outside Dimension of Radiating Plane
2. Impedance	$8\Omega \pm 15\%$	@1kHz/1.0V _{RMS}
3. Continuous/Peak Power Input	1.0W / 2.0W	
4. Lowest Resonant Frequency, F ₀	180±36Hz	Constant Voltage (1.0V _{RMS})
5. Sensitivity @ 0.5m	85±3 dB	Test conditions at 1W/0.5m @ (0.8/1.0/1.2/1.5) kHz
6. Effective Frequency Range	F ₀ to 10kHz	See Compliance Limits
7. Operation Test	1.0W	
8. Total Harmonic Distortion	<5%	300-1,500 Hz @2.83V /0.5m)
9. Q _{TS}	<2.2	Constant Voltage (1.0V _{RMS})
10. Polarity	When a positive DC current is applied to the Terminal marked +, the diaphragm shall move forward	
11. Magnet	$\phi 12.5 \times 3$ mm	Nd-Fe-B ($\phi D \times h$)
TESTS		
1. Extraneous Noise	2.83 V _{RMS} from F ₀ to 5kHz	No Buzzes or Rattles shall occur
2. Max. Input Power	1kHz Sine wave of 4.0V 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 (1.0W) 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	ESD test done according to IEC 801-2 (1991-04)
7. ESD Test	No arcing should occur at ≤16kV	

Typical Frequency Response



	Stetron International Inc.		Loudspeaker Specifications $\phi 50$ mm, 8 Ω , Paper cone, Foam surround Nd-Fe-B magnet, Rated power: 1.0W	
	SIZE A	DRAWN BY	PART No. D0050008NU022KR	
SCALE N/A	DATE 14-Apr-08	SHEET 1 of 1		
REV 1.2	DWG No. / FILE		DM07-025	