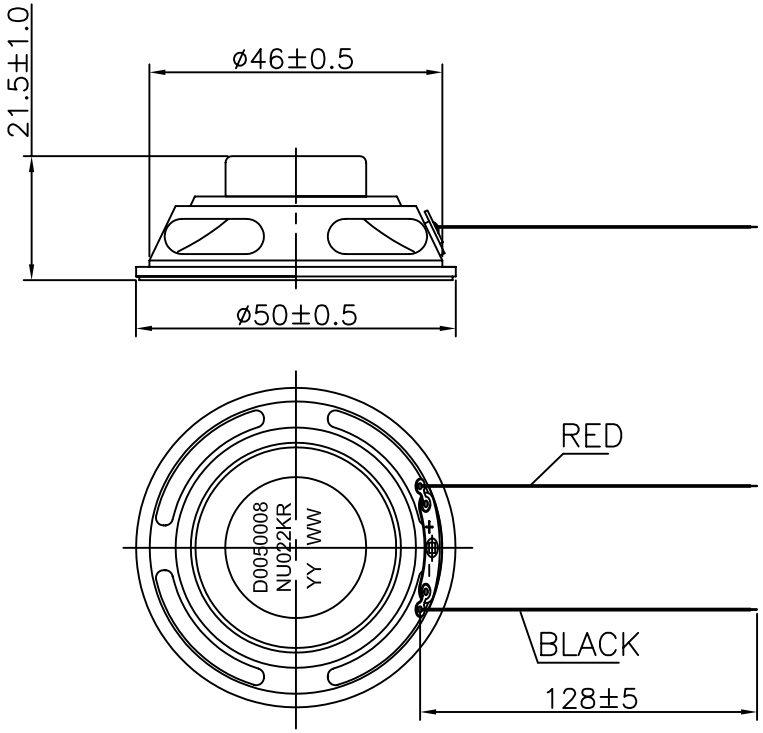
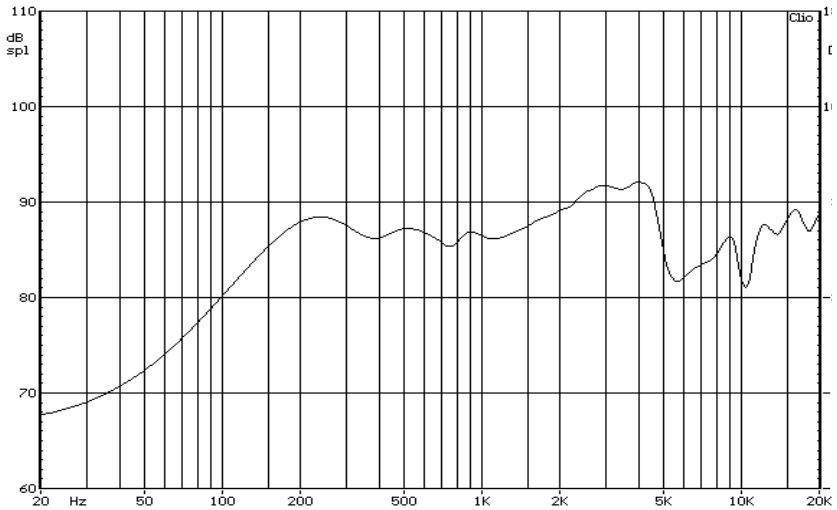


Parameter	Specification	Remarks
1. Dimensions	ϕ50mm	Outside Dimension of Radiating Plane
2. Impedance	8Ω ±15%	@1kHz/1.0V_{RMS}
3. Continuous/Peak Power Input	1.0W / 2.0W	
4. Lowest Resonant Frequency, F_0	180±36Hz	Constant Voltage (1.0V_{RMS})
5. Sensitivity @ 0.5m	85±3 dB	Test conditions at 1W/0.5m @ (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	ϕ12.5 x 3mm	Nd-Fe-B (ϕD x 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 for96h 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



Stetron International Inc.	Loudspeaker Specifications ϕ50mm,8Ω,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	