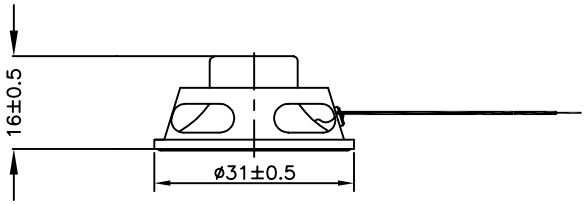
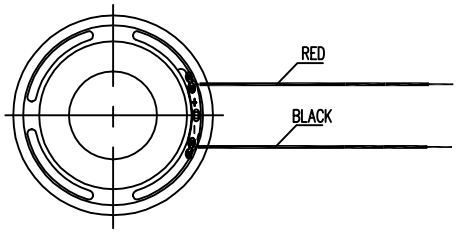
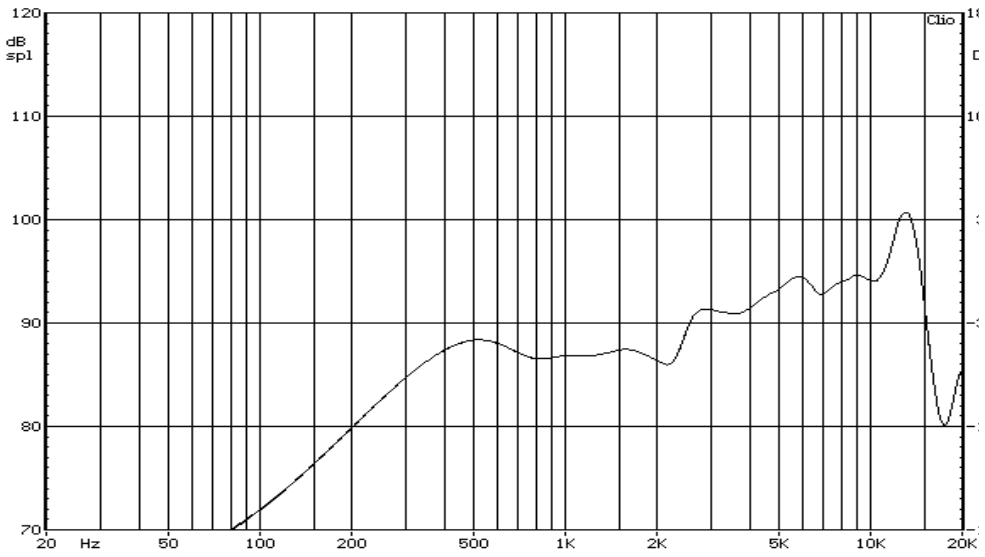




Parameter	Specification	Remarks
1. Dimensions	ϕ31mm	Outside Dimension of Radiating Plane
2. Impedance	20Ω ±15%	@1kHz/1.0V_{RMS}
3. Continuous/Peak Power Input	2.0W / 3.0W	
4. Lowest Resonant Frequency, F_0	350 Hz ±20%	Constant Voltage (1.0V_{RMS})
5. Sensitivity	88±3 dB	Test conditions at 0.1W/0.1m avg. @ (0.5/0.63/0.8/1.0/1.2/1.5/2.0) kHz
6. Effective Frequency Range	F_0 to 10kHz	
7. Operation Test	2.0W	
8. Total Harmonic Distortion	<5%	1,000 Hz @4.47V /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	6.32 V_{RMS} from F_0 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℃, 50%RH for 96h with 1h rest at room temperature	
6. Humidity Test	+40±3℃, 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 ϕ31mm,20Ω, Nd-Fe-B magnet, Rated power: 2.0W		
SIZE A	DRAWN BY	PART No. D0031020NP125AR	
SCALE N/A	DATE 20-Apr-09	SHEET 1 of 1	
REV 1.2	DWG No. / FILE DM08-020		