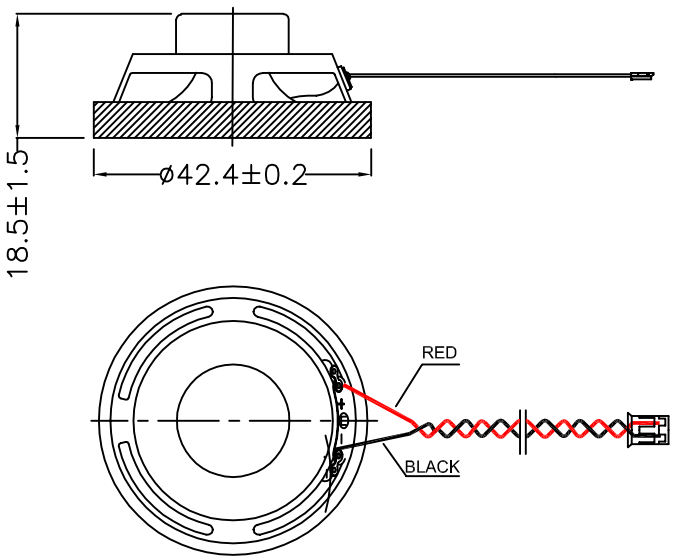
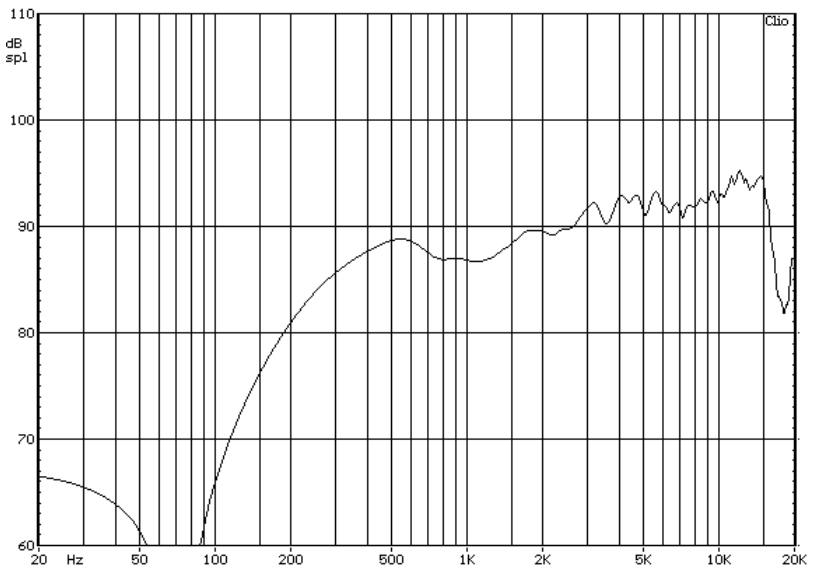


Parameter	Specification	Remarks
1. Dimensions	ϕ40mm	Outside Dimension
2. Impedance	4Ω ±20%	@1kHz/1.0V_{RMS}
3. Continuous/Peak Power Input	2 W / 3W	
4. Lowest Resonant Frequency, F_0	250±50Hz	Constant Voltage (1.0V_{RMS})
5. Sensitivity @ 0.5m	86±3 dB	Test cond. at 1.0W/0.5m @ avg. 0.6/0.8/1.0/1.5 kHz
6. Effective Frequency Range	F_0 to 15kHz	
7. Operation Test	2.0W	
8. Total Harmonic Distortion	<5 %	1kHz (1W/0.5m)
9. Polarity	When a positive DC current is applied to the Terminal marked +, the diaphragm shall move forward	
10. Magnet	ϕ12.5 x 3mm	Nd-Fe-B (ϕD x h)
11. Weight	25±5 g	
TESTS		
1. Extraneous Noise	2.83V_{RMS} from F_0 to 20kHz	No Buzzes or Rattles shall occur
2. Max. Input Power	1kHz Sine wave of 3.0W 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 & 10 after test
5. High Temperature Test	+80±3℃, 50%RH for 96h with 1h rest at room temperature	
6. Low temperature test	-40±3℃	
7. Temperature cycling test	-40 to +80±3℃ in 300 s	
8. Humidity Test	+40±3℃, 90%RH for96h with 1h rest at room temperature	
9. 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 ϕ40mm, 4Ω,Paper cone,Rubber surround Nd-Fe-B magnet, Rated power:2 W w/gasket, RoHS

SIZE	DRAWN BY	PART No.
A		D0040004NU010AR
SCALE: N/A	DATE: 14-SEP-06	SHEET: 1 of 1
REV: 2.3	DWG No. / FILE: DB05-119	