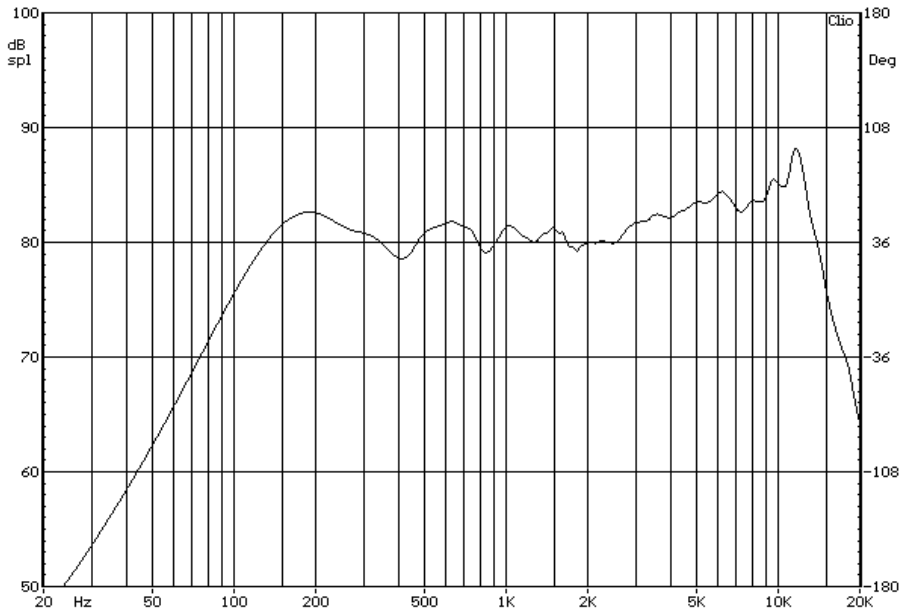



Typical Frequency Response



Parameter	Specification	Remarks
1. Dimension	53mm rectangular frame	Outside Dimension
2. Impedance	4Ω ±15%	@1kHz/1.0V _{RMS}
3. DCR	4 Ω ± 10%	
4. Rated power/Max power	2 W / 3W	
5. Lowest Resonant Frequency, F ₀	150Hz +10%/-20%	Constant Voltage (1.0V _{RMS})
6. Sensitivity	82 +2/-3 dB	Test cond. at 1.0W/1.0m @ 1.0 KHz in IEC 268-5 baffle
7. Effective Frequency Range	F ₀ to 10 kHz	
8. Total Harmonic Distortion	Max 5 % Max. 3 %	@ 200-500 Hz (1W/1m) @ 530-10,000 Hz(1W/1m) (Tested on IEC 268-5 baffle and using a stepped sine stimulus with increasing frequency)
9. Buzz and Rattle	Should not have audible Buzz & Rattle at rated power(less than 0.5% from 200 Hz-2 kHz)	
10. Qts	<1	Constant Voltage (1.0V _{RMS})
11. Maximum diaphragm excursion	Max. 2.5 mm from 100 Hz-8 kHz	2.83 Vrms on IEC 268-5 baffle(for reference only)
12. Equivalent resonant frequency Fb (in 120 cc enclosure)	Max. 250 Hz	1 Vrms
13. Maximum diaphragm excursion(in 120 cc enclosure)	Max. 1 mm from 100 Hz-8 kHz	2.83 Vrms
14. Polarity	When a positive DC current is applied to the Terminal marked +, the diaphragm shall move forward	
15. ESD	Min.15 kV	No arcing should occur ESD test done according to IEC 801-2(1991-04)
TESTS		
1. Extraneous Noise	2.83 V _{RMS} from F ₀ to 10 kHz	No Buzzes or Rattles shall occur
2. Max. Input Power	The speaker should be exposed to EIA white noise of 3.0W applied for 1 min.	There shall be no buzz & rattle and the part shall exhibit no physical damage(rivets, weld and glue must hold, no scratches or burrs on surfaces and no peeling of paint/coating)
3. Drop Test	Speaker mounted in box dropped on each side of the carton except the top from a height of 80 cm (carton GW max. 10 Kg) or 60 cm (10 Kg< carton max. 25 Kg)	
4. Load Test	White Noise (2.0W) applied for 96h	Must meet items 5 to 7 after test
5. High Temperature Test	+70±2°C, 50%RH for 96h with 1h rest at room temperature	
6. Low temperature test	-25±3°C, 50%RH for 96h with 1h rest at room temperature	
7. Humidity Test	+40±2°C, 90%RH for 96h with 1h rest at room temperature	

 Stetron International Inc.	Loudspeaker Specifications	
	Φ53 mm,4 Ω Nd Magnet Rated power 2.0W Metal frame, RoHS compliant	
SIZE	DRAWN BY	PART No.
A		D0053004NR196ER
SCALE	DATE	SHEET
N/A	4-Apr-14	1 of 1
REV	DWG No. / FILE	
0.1		DB14-009