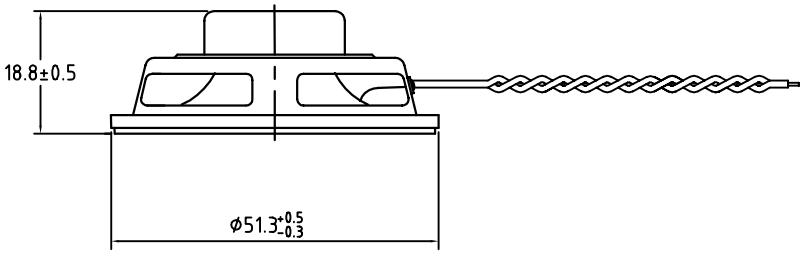
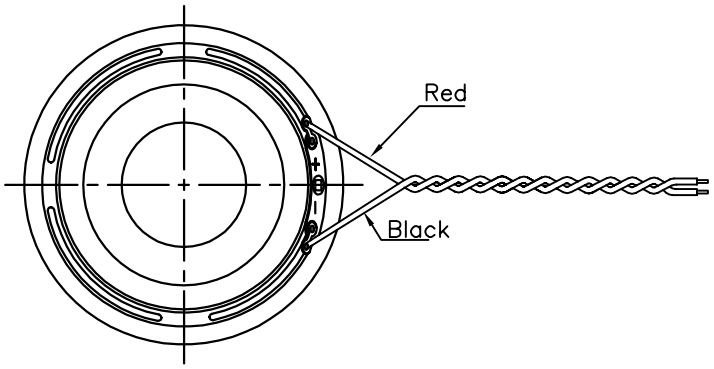
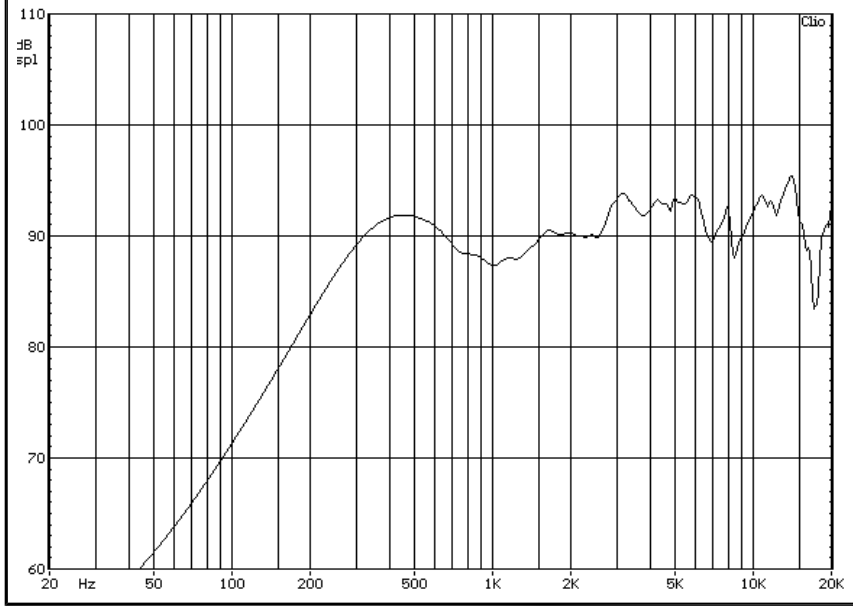




ITEM		SPECIFICATION	REMARKS
1	Dimensions	Ø51.5 x 18.8mm	O.D. of radiating plane x H
2	Impedance	32Ω±15%	@ 1.0kHz/1V
3	Input Power	1.0W/2.0 W	RMS/Peak
4	Lowest Resonant Frequency, F_0	250Hz ±20%	Constant Voltage (1V RMS)
5	Sensitivity	87dB ± 3dB	Measured 1,0W/0.5m @ (0.8/1.0/1.5kHz) Avg. Using IEC 268-5 Baffle.
6	Total Harmonic Distortion	Max.5%	@ 1W/1m/1.0kHz
7	Effective Frequency Range	F_0 to 6 kHz	0.5W/0.5 m
8	Magnet Dimension	Ø12.5 x3 mm	OD x H
	TESTS		
9	Operation Test	White noise of 1.0 W is applied for 96h.	The speaker must meet items 4&5 after test
10	Max. Input Power	The speaker shall be exposed to white noise of 2 W for 1min.	
11	Polarity	A positive DC current is applied to the terminal marked +	The diaphragm shall move forward
12	Vibration (no box)	10 sweeps of 3 minute duration from 10Hz-30Hz-10Hz (Double Amplitude – 0.75mm)	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)
		10 sweeps of 3 minute duration from 30Hz-55Hz-30Hz (Double Amplitude – 0.55mm)	
13	Drop Test (in box)	Speakers properly packaged in their shipping carton are dropped on each side of the carton except the top from a height of 80cm (carton GW?10kg) or 60cm (10kg<carton GW?25kg)	
14	Low Temperature Exposure	The speaker shall be exposed to -20 ±2°C, 50%RH for 96h with a 1h rest at room temperature.	The speaker must meet items 5&6 after test
15	High Temperature Exposure	The speaker shall be exposed to 70 ±3°C, 50%RH for 96h with a 1h rest at room temperature.	
16	Humidity Exposure	The speaker shall be exposed to 40±3°C, 90%RH for 96h with a 1h rest at room temperature.	

Typical Frequency response curve



Stetron International Inc.

LoudSpeaker Specification
ϕ51.5x 18.8mm, 32Ω, NdFeB magnet, 1.0W

SIZE	DRAWN BY	PART No.
A		D0052032NC26CAR

SCALE	DATE	SHEET
N/A	16-Jan-09	1 of 1

REV	DWG No. / FILE
0.3	DM08-019