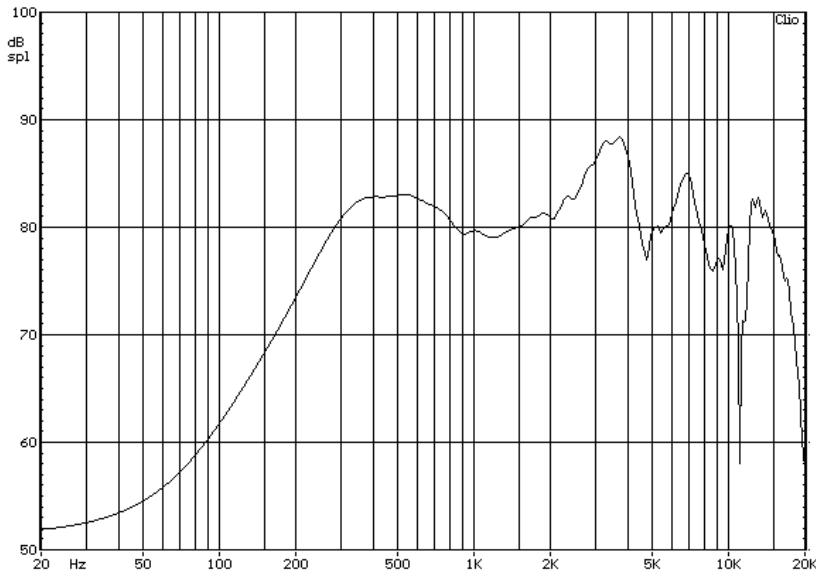



Typical Frequency Response 1W/1m



ITEM		SPECIFICATION	REMARKS
1	Dimensions	50.0 x 11.5mm	Diameter x Height
2	Impedance	4.0Ω±15%	@ 1.0kHz/1V
3	Input Power	2W/4W	RMS/Peak
4	Lowest Resonant Frequency, F ₀	350Hz ±20%	Constant Voltage (1V RMS)
5	Output SPL	84dB ±3dB (90dB @ 1.0W/0.5m for reference)	Measured 1W/1m @ (0.4/0.5/0.6/0.7kHz) Avg. Using IEC 268-5 Baffle.
6	Total Harmonic Distortion	Max. 6%	@ 2W/1m/ 400Hz to 6kHz
7	Effective Frequency Range	F ₀ to 6kHz	See typical frequency response
8	Magnet Dimension	F13.5 x 2 mm	OD x H
TESTS			
9	Operation Test	White noise of 2W is applied for 96h.	The speaker must meet items 4 to 6 after test
10	Max. Input Power	The speaker shall be exposed to white noise of 4W for 1min.	
11	Buzz Test	2.83 Vrms applied from F ₀ to 20kHz	There shall be no extraneous noise
12	Polarity	A positive DC current is applied to the terminal marked +	The diaphragm shall move forward
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)	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)
14	Low Temperature Exposure	The speaker shall be exposed to -40 ±2°C, 50%RH for 96h with a 1h rest at room temperature.	The speaker must meet items 4 to 6 after test
15	High Temperature Exposure	The speaker shall be exposed to 85 ±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.	

 Stetron International Inc.		LoudSpeaker Specification 50x11.5mm, 4.0Ω, 2W RoHS	
SIZE	DRAWN BY	PART No.	
A		P0050004NC001AR	
SCALE	N/A	DATE	SHEET
REV	0.0	17-June-09	1 of 1
		DWG No. / FILE	DB09-006