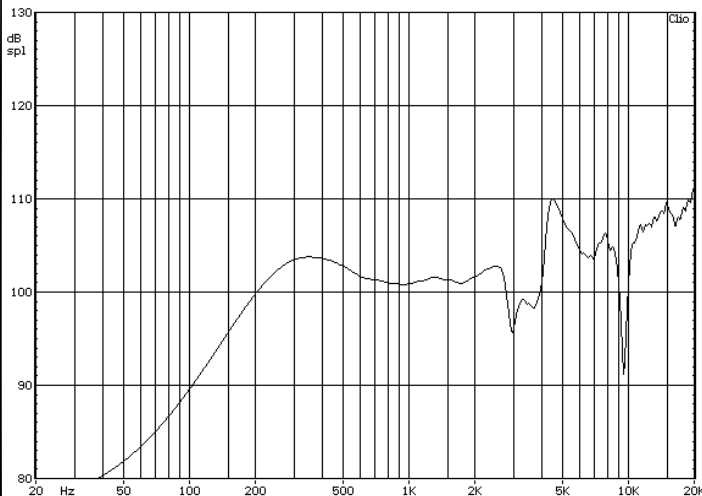


Typical Frequency Response



ITEM		SPECIFICATION	REMARKS
1	Dimensions	50	Outside Diameter
2	Impedance	4.0Ω±15%	@ 1.0kHz/1V
3	Input Power	1W/1.5W	Rated/Max
4	Lowest Resonant Frequency, F ₀	240Hz ±20%	Constant Voltage (1V RMS)
5	Output SPL	102dB ±3dB	Measured 1W/0.1m @ (0.4/0.6/0.8/1.2/1.5kHz) Avg. Using IEC 268-5 Baffle.
6	Total Harmonic Distortion	Max. 5% Max. 9%	300- 500Hz @ 1W/0.1m 500Hz- 6kHz @ 1W/0.1m
7	Effective Frequency Range	F ₀ to 10kHz	See typical frequency response
8	Magnet Dimension	Φ18.5 x 2.0 mm	OD x H
TESTS			
9	Operation Test	White noise of 1W 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 1.5W for 1min.	
11	Buzz Test	2Vrms applied from F ₀ to 10kHz	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 -25 ±2°C, 50%RH for 96h with a 1h rest at room temperature.	The speaker must meet items 5 to 6 after test
15	High Temperature Exposure	The speaker shall be exposed to 80 ±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
50x8.5mm, 4.0Ω, Paper cone
1.0W, RoHS

SIZE	DRAWN BY	PART No.	
A		P0050004NR0V3AR	
SCALE	N/A	DATE	SHEET
		6-Jan-10	1 of 1
REV	0.0	DWG No. / FILE	DB09-053