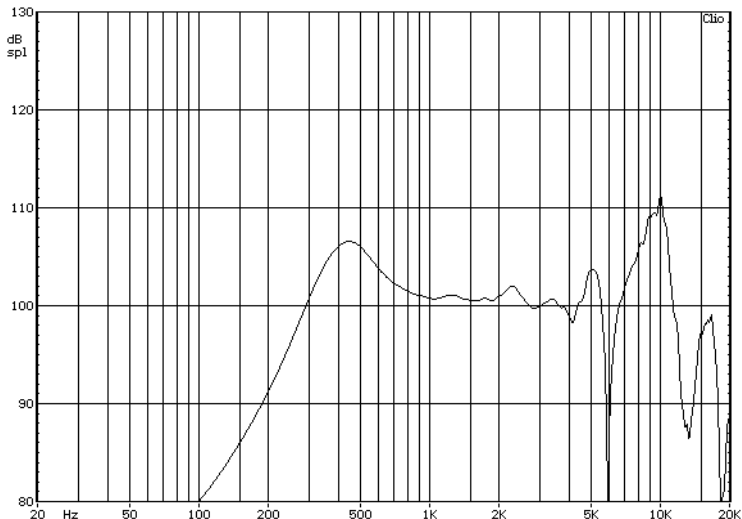


Leave at least 1.5mm for max diaphragm excursion at max power

Typical Frequency Response



ITEM		SPECIFICATION	REMARKS
1	Dimensions	40x30	Outside Dimension
2	Impedance	4.0Ω±15%	@ 1.0kHz/1V
3	Input Power	2W/2.5W	RMS/Peak
4	Lowest Resonant Frequency, F ₀	400Hz ±20%	Constant Voltage (1V RMS)
5	Output SPL	100dB ±3dB [97dB±3dB (1W/0.1m) for reference only]	Measured 2.0W/0.1m @ (0.8/1.0/1.2/1.5kHz) Avg. Using IEC 268-5 Baffle.
6	Total Harmonic Distortion	Max. 5%	400 Hz- 5kHz @ 1W/0.5m
7	Effective Frequency Range	F ₀ to 10kHz	See typical frequency response
8	Magnet Dimension	Φ15.5 x 1.2 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 2.5W for 1min.	
11	Buzz Test	2.83Vrms 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
40x30mm, 4.0Ω, 2W, RoHS

SIZE	DRAWN BY	PART No.	
A		P4030004NC016AR	
SCALE	N/A	DATE	SHEET
		21-Oct-09	1 of 1
REV	0.0	DWG No. / FILE	
		DB09-041	