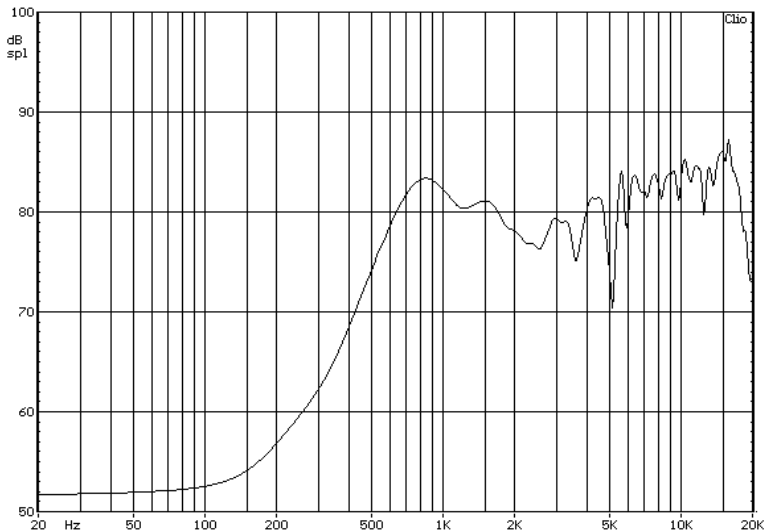



Typical Frequency Response



ITEM		SPECIFICATION	REMARKS
1	Dimensions	20.0 x 16.0 x 5.0mm	O.D. of radiating plane
2	Impedance	8Ω±15%	@ 2.0kHz/1V
3	Input Power	1W/1.5W	Rated/Max
4	Lowest Resonant Frequency, F ₀	800Hz ±20%	Constant Voltage (1V)
5	SPL Output	81dB ±3dB (95dB ±3dB @1.0W/0.1m)	Measured 1.0W/0.5m @ 0.8/1.0/1.5 /2.0 kHz avg. on IEC 268-5 baffle
6	Effective Frequency Range	F ₀ to 20kHz	See Typical Frequency Response
7	Total Harmonic Distortion	Max. 8%	From 1kHz to 4kHz @ 1.0W/0.5m
8	Magnet Dimension	Ø9.5 x 1.5mm	OD x H (Nd-Fe-B)
TESTS			
9	Operation Test	White noise of 1.0W is applied for 96h.	The speaker must meet items 5&6 after test
10	Max. Input Power	The speaker shall be exposed to white noise of 1.5W for 1 min.	
11	Buzz and Rattle	2.83Vrms from Fo to 20kHz	There shall be no extraneous noise
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 -25 ±3°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 60 ±2°C, 50%RH for 96h with a 1h rest at room temperature.	
16	Humidity Exposure	The speaker shall be exposed to 40±2°C, 92±2%RH for 96h with a 1h rest at room temperature.	

 Stetron International Inc.		LoudSpeaker Specification 20x16x5.0mm, 8Ω, cloth cone Nd-Fe-B Magnet, 1.0W	
SIZE	DRAWN BY	PART No.	
A		P2016008NC003AR	
SCALE	DATE	SHEET	
N/A	21-May-10	1 of 1	
REV	DWG No. / FILE		
0.0		DB10-034	