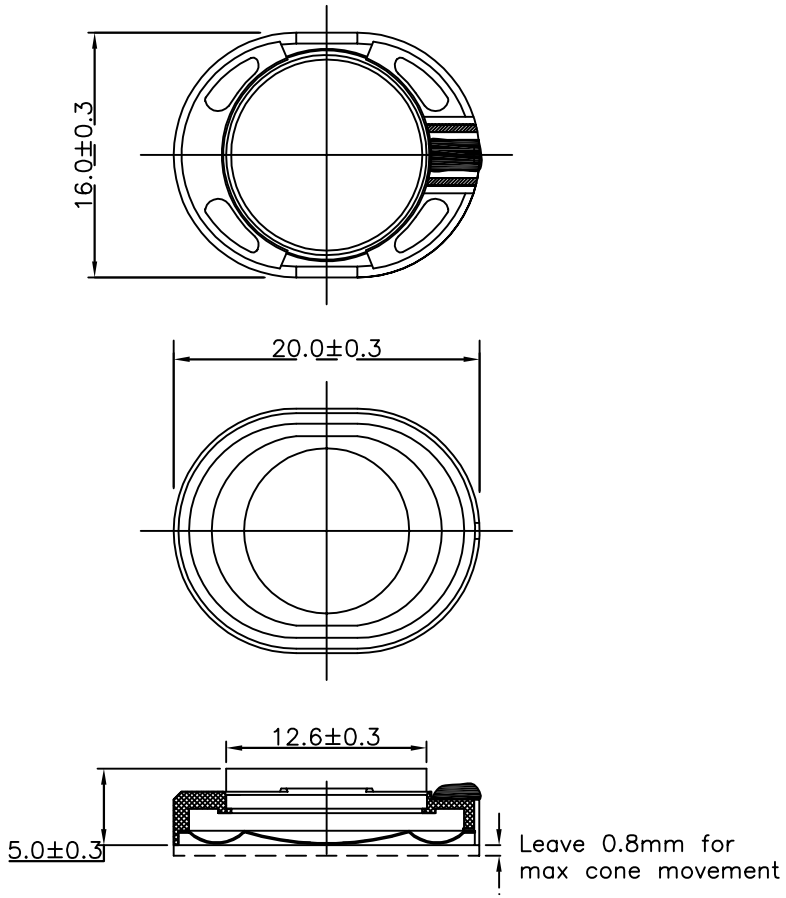
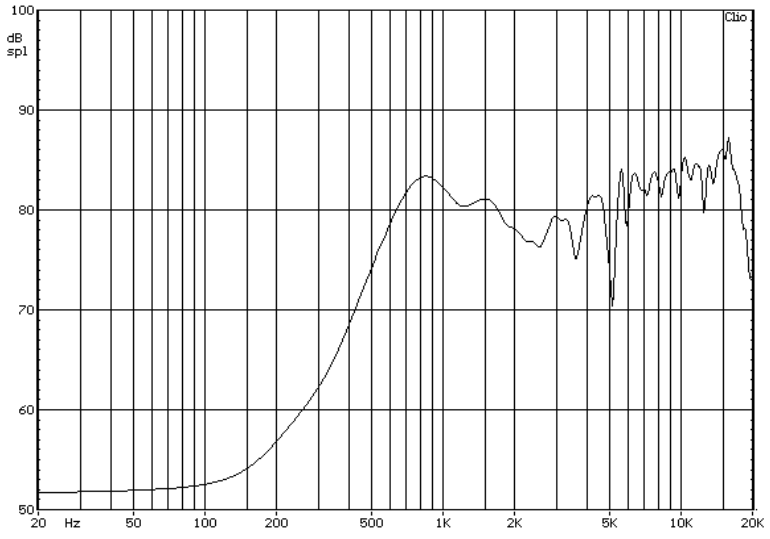


	ITEM	SPECIFICATION	REMARKS
1	Dimensions	20.0 x 16.0 x 5.0mm	O.D. of radiating plane
2	Impedance	8Ω±15%	@ 2.0kHz/1V
3	Input Power	1W/1.5W	Rated/Max
4	Lowest Resonant Frequency, F_0	800Hz ±20%	Constant Voltage (1V)
5	SPL Output	81dB ±3dB (95dB ±3dB @1.0W/0.1m)	Measured 1.0W/0.5m @ 0.8/1.0/1.5 /2.0 kHz 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 1min.	
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) 10 sweeps of 3 minute duration from 30Hz-55Hz-30Hz (Double Amplitude – 0.55mm)	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)
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.	

Typical Frequency Response



Stetron International Inc.

LoudSpeaker Specification
20x16x5.0mm, 8Ω, cloth cone
Nd-Fe-B Magnet, 1.0W

SIZE	DRAWN BY	PART No.
A		P2016008NC003AR
SCALE N/A	DATE 21-May-10	SHEET 1 of 1
REV 0.0	DWG No. / FILE	DB10-034