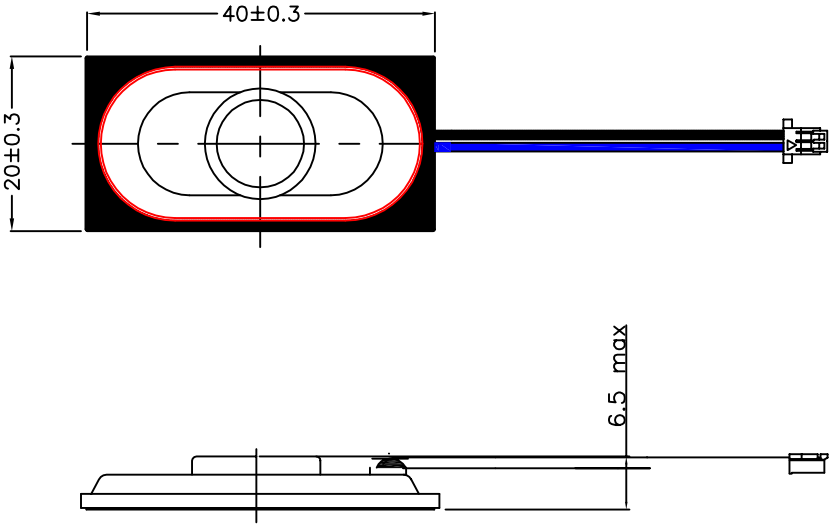
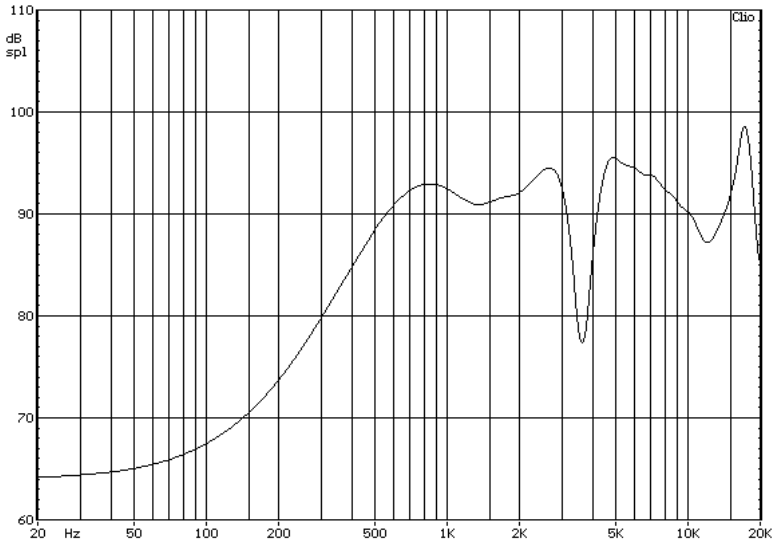


ITEM		SPECIFICATION	REMARKS
1	Dimensions	40.0 x 20.0 x 6.5mm	Length x Width x Height
2	Impedance	4.0Ω±15%	@ 1.5kHz/1V
3	Input Power	2W/2.5W	RMS/Peak
4	Lowest Resonant Frequency, F_0	680Hz ±20%	Constant Voltage (1V RMS)
5	Output SPL	91dB ±3dB	Measured 0.1W/0.1m @ (0.8/01.0/1.2/1.5kHz) Avg. Using IEC 268-5 Baffle.
6	Total Harmonic Distortion	Max. 10%	@ 2W/0.5m/ Fo to 6kHz
7	Effective Frequency Range	F_0 to 10kHz	See typical frequency response
8	Magnet Dimension	Φ11 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 EIA white noise of 2.5W for 1min.	
11	Buzz Test	2.83 Vrms applied from Fo 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.	

Typical Frequency Response



Stetron International Inc.

LoudSpeaker Specification
40x20x6.5mm, 4.0Ω, Cloth cone
Plastic Gasket, 2W, RoHS

SIZE	DRAWN BY	PART No.
A		U4020004NC12CAR
SCALE N/A	DATE 09-Dec-08	SHEET 1 of 3
REV 1.4	DWG No. / FILE	DB08-008