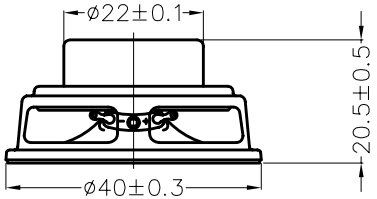
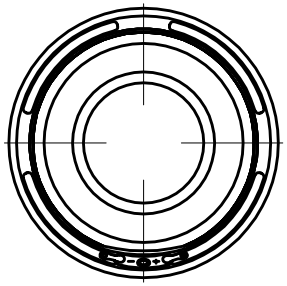
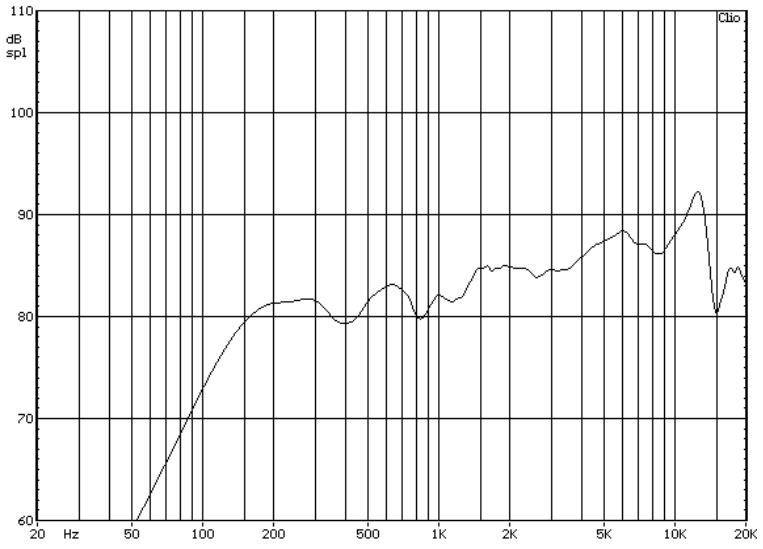




ITEM		SPECIFICATION	REMARKS
1	Dimensions	40mm	Outside Dimension
2	Impedance	4Ω±15%	@ 1.0kHz/ 1V
3	Input Power	3.0W/ 4.0W	Rated/ Max
4	Lowest Resonant Frequency, F_0	160Hz ±20%	Constant Voltage (1V RMS)
5	Output SPL	82dB±3dB	Measured 1.0W/ 1.0m @ (0.8/ 1.0/ 1.2/ 1.5kHz) Avg. Using IEC 268-5 Baffle.
6	Total Harmonic Distortion	Max. 5%	(1kHz @ 1W/ 1m)
		Max 6%	(250Hz - 10kHz @ 0.25W/ 0.5m)
7	Effective Frequency Range	F_0 to 20kHz	See typical frequency response
TESTS			
8	Rated Power	The speaker shall be exposed to 3.0W white noise for 96hrs	The speaker must meet item 2,4,5 and 6 after test
9	Max. Input Power	The speaker shall be exposed to white noise of 4.0W for 1min ON and 2 min OFF for 10 cycles.	
10	Buzz Test	3.46Vrms applied from Fo to 2kHz	There shall be no extraneous noise
11	Polarity	A positive DC current is applied to the terminal marked +	The diaphragm shall move forward
12	Low Temperature Exposure	At 1/ 4 rated noise power the speaker shall be exposed to -10 ±3°C for 1 hr then depositing for 2 hrs at -25 ±3°, then resuming at normal atmospheric conditions for 4 hrs.	The speaker must meet the appearance and buzz and rattle test.
13	High Temperature Exposure	At 1/ 4 rated noise power the speaker shall be exposed to 55 ±2°C for 16 hrs then depositing for 2 hrs at constant temp. Testing to be completed within 1 hr after withdrawing.	
14	Humidity Exposure	At 40 ±2°C, Humidity of 93±2% for 48 hrs, then resuming at normal atmospheric conditions for 24 hrs	

Typical Frequency Response



Stetron International Inc.	LoudSpeaker Specification 40mm, 4.0Ω, 3W, RoHS		
SIZE A	DRAWN BY	PART No. D0040004NMF4WER	
SCALE N/A	DATE 28-Oct-13	SHEET 1 of 1	
REV 0.0	DWG No. / FILE DB13-047		