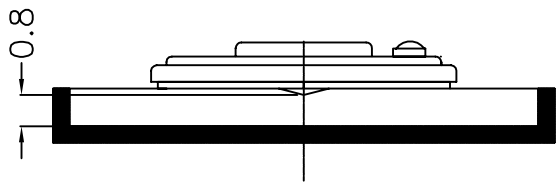
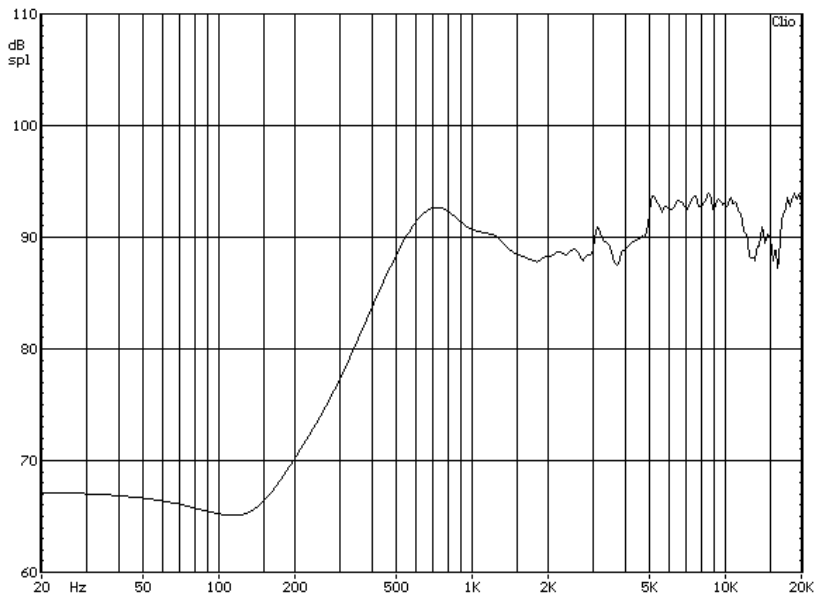



Clearance for max cone excursion at max power (for reference only)



Typical Frequency Response



ITEM		SPECIFICATION	REMARKS
1	Dimensions	Ø28.0	O.D. of radiating plane
2	Impedance	4Ω±15%	@ 1.5kHz/1V
3	Input Power	2.0W/2.2W	Rated/Max
4	Lowest Resonant Frequency, F ₀	680Hz ±20%	Constant Voltage (1V)
5	Sensitivity	90dB ±3dB (103dB @ 2W/0.1m)	Measured 0.1W/0.1m @ 0.7/0.8/0.9 /1.0 kHz using IEC baffle 268-5
6	Effective Frequency Range	F ₀ to 10kHz	See Typical Frequency Response
7	Total Harmonic Distortion	MAX 6%	Measured @ 2 kHz / 2.0W/0.1m
8	Magnet Dimension	12.5 x 1.5mm	OD x h (Nd-Fe-B)
TESTS			
9	Operation Test	White noise of 2.0W is applied for 96h.	The speaker must meet items 5&6 after test
10	Max. Input Power	The speaker shall be exposed white noise of 2.2W for 1min.	
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)	The speaker must meet items 5&6 after test
14	Low Temperature Exposure	The speaker shall be exposed to -20 ±2°C, 50%RH for 96h with a 1h rest at room temperature.	
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	

	Stetron International Inc.		Loudspeaker Specification ø28mm, 4Ω, Mylar cone Nd-Fe-B Magnet, 2.0W	
	SIZE A	DRAWN BY	PART No. U0028004NM23CAR	
SCALE N/A	DATE 19-Apr-10	SHEET 1 of 1		
REV 0.2	DWG No. / FILE		DB10-010	