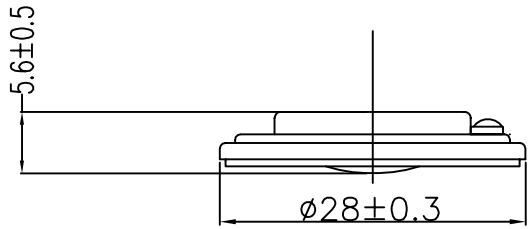
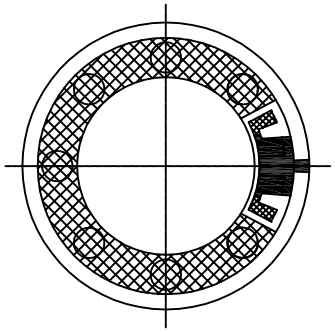
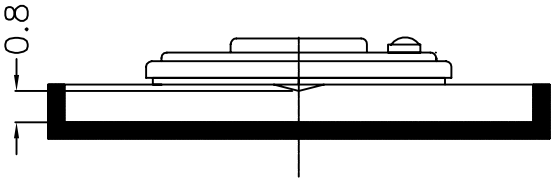


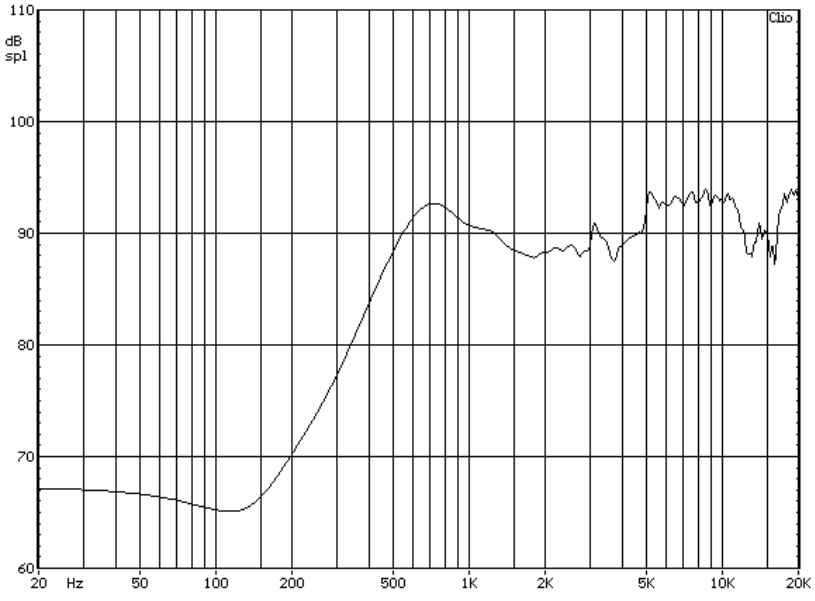


Clearance for max cone excursion at max power (for reference only)



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)		
14	Low Temperature Exposure	The speaker shall be exposed to -20 ±2°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		

Typical Frequency Response



Stetron International Inc.

Loudspeaker Specification
ϕ28mm, 4Ω, Mylar cone
Nd-Fe-B Magnet, 2.0W

SIZE	DRAWN BY	PART No.
A		U0028004NM23CAR

SCALE	DATE	SHEET
N/A	19-Apr-10	1 of 1

REV	DWG No. / FILE
0.2	DB10-010