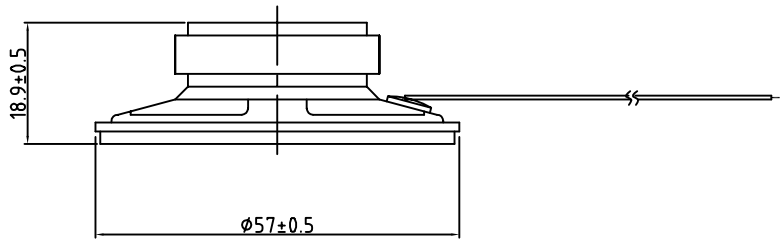
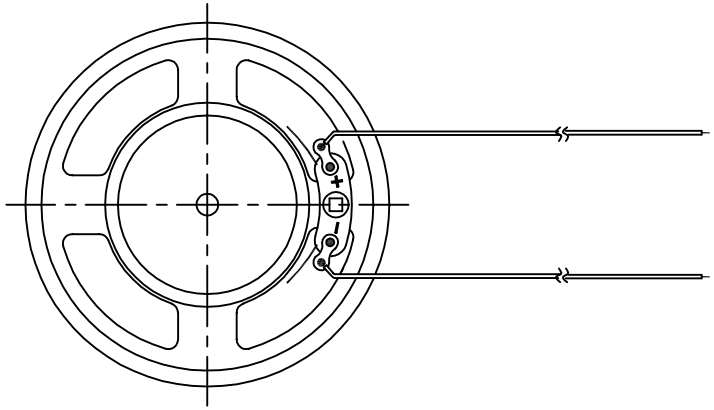
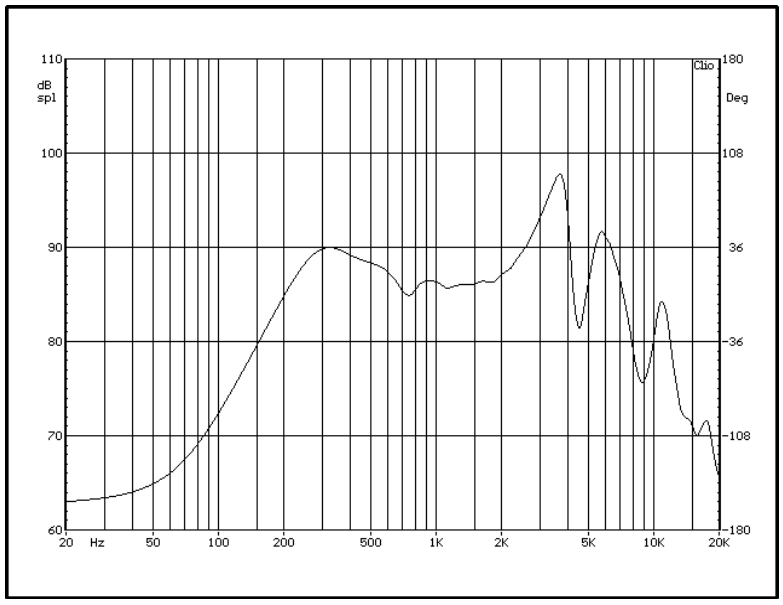




ITEM			SPECIFICATION	REMARKS
1	Dimensions		Ø57.0 x18.9mm	O.D. of radiating plane x H
2	Impedance		32Ω±15%	@ 1.0kHz/1V
3	Input Power		0.5W/1 W	RMS/Peak
4	Lowest Resonant Frequency, F_0		270Hz ±20%	Constant Voltage (1V RMS)
5	Sensitivity		88dB ± 3dB	Measured 1,0W/0.5m @ (0.8/1.0/1.5kHz) Avg. Using IEC 268-5 Baffle.
6	Total Harmonic Distortion		Max.3%	@ 0.5W/1m/1.0kHz
7	Effective Frequency Range		F_0 to 4.0 kHz	0.5W/0.5 m
8	Magnet Dimension		Ø32 x18X 6 mm	OD x IDx H
TESTS				
9	Operation Test	White noise of 0.5 W is applied for 96h.		The speaker must meet items 5&6 after test
10	Max. Input Power	The speaker shall be exposed to EIA white noise of 1 W 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 70 ±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 curve



Stetron International Inc.

LoudSpeaker Specification
ϕ57.0x 18.9mm, 32Ω, Ferrite magnet, 0.5W

SIZE	DRAWN BY	PART No.
A		D0057032FP17AAR
SCALE N/A	DATE 20-May-09	SHEET 1 of 1
REV 0.3	DWG No. / FILE	DM08-018