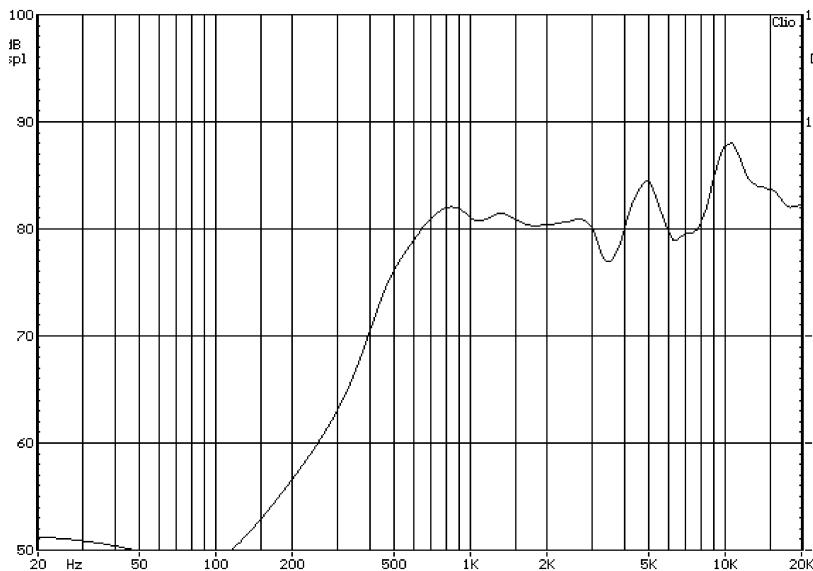


Typical Frequency Response



ITEM		SPECIFICATION	REMARKS
1	Dimensions	Ø16x3.5mm	
2	Impedance	8Ω ±15%	@ 2.0kHz, 1V _{RMS}
3	Input Power	0.5W/1.0W	RMS/Peak
4	Lowest Resonant Frequency, F ₀	800Hz ±20%	Constant Voltage (1V _{RMS})
5	Sensitivity	79dB ±3dB	Measured @ 0.5W/0.5m Avg. (1.0/1.2/1.5/2.0kHz) in IEC Baffle 268-5
6	Effective Frequency Range	F ₀ to 15kHz	See typical frequency response
7	Total Harmonic Distortion	<5%	Measured @ 2kHz/0.2W/0.5m
8	Magnet Dimension	Ø7.8x 1.0 mm	Nd-Fe-B

TESTS

9	Operation Test	EIA white noise of 0.5W is applied for 96h.	
10	Max. Input Power	The speaker shall be exposed to EIA white noise of 1.0 W for 1min.	The speaker must meet items 5&6 after test
11	Buzz & Rattle Test	1.55V sinusoidal input swept from F ₀ to 15kHz	No buzzing or rattles shall occur
12	Polarity	A positive DC current is applied to the terminal marked +	The diaphragm shall move forward
13	Vibration (no box)	10 sweeps of 3 minute duration from 10Hz-30Hz-10Hz (Double Amplitude – 0.55mm)	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)	
14	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)	
15	Shock/Impact (no box)	The part shall be exposed to an impact force of 100m/s ² (10G), 1000±10x	No buzzing or rattles shall occur
16	High Temperature Exposure	The speaker shall be exposed to 60±2°C, 50%RH for 96h with a 1h rest at room temperature.	The speaker must meet items 5&6 after test
17	Humidity Exposure	The speaker shall be exposed to 40±3°C, 92%RH for 96h with a 1h rest at room temperature.	



Stetron International Inc.

Loudspeaker : 0.5 W, Nd-Fe-B magnet
 φ16x3.5mm, 8 Ω, Mylar cone, Metal frame
 w/ protective mesh & grill

SIZE	DRAWN BY	PART No.	
A		U0016008NM035AR	
SCALE	N/A	DATE	SHEET
		19-MAR-08	1 of 1
REV	1.1	DWG No. / FILE	DB05-116