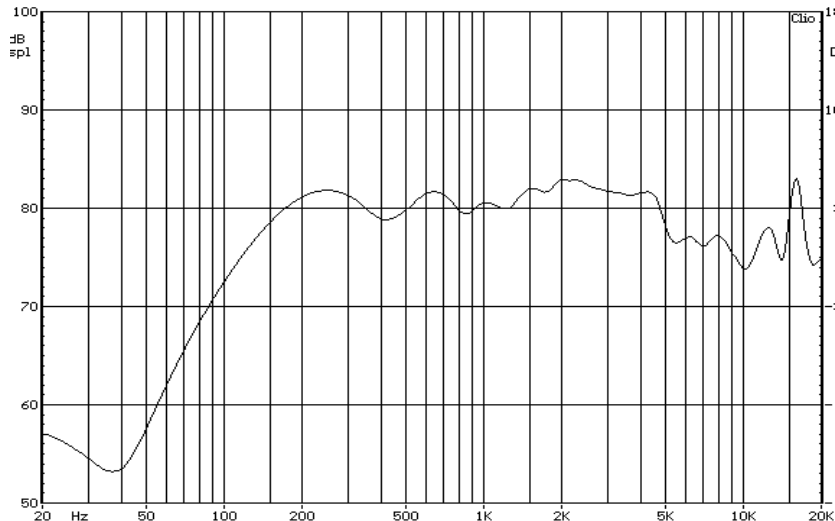



Typical Frequency Response



ITEM		SPECIFICATION	REMARKS
1	Dimensions	Ø52.0 x 20 mm	
2	Impedance	8.0Ω±15%	@ 2.0kHz/1V
3	Input Power	3W/4W	RMS/Peak
4	Lowest Resonant Frequency, F ₀	160Hz ±20%	Constant Voltage (1V RMS)
5	Sensitivity	81dB ±3dB	Measured 1W/1m @ (0.3/0.4/0.5/0.6 kHz) Avg. Using IEC 268-5 Baffle.
6	Total Harmonic Distortion	Max. 6% Max. 2.5%	@ 1W/1m 160- 200 Hz @ 1W/1m 200-15,000 Hz
7	Effective Frequency Range	F ₀ to 15kHz	1W/1m
8	Magnet Dimension	Ø15.5 x 5.0	OD x H
TESTS			
9	Operation Test	White noise of 3W is applied for 96h.	The speaker must meet items 4 to 7 after test
10	Extraneous Noise	4.89 VRMS from F ₀ to 15 kHz	No Buzzes or Rattles shall occur
11	Max. Input Power	The speaker shall be exposed to EIA white noise of 4 W for 1min.	The speaker must meet items 4 to 7 after test
12	Polarity	A positive DC current is applied to the terminal marked +	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)
13	Vibration (no box)	10 sweeps of 3 minute duration from 10Hz-30Hz-10Hz (Double Amplitude – 0.75mm) 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	Low Temperature Exposure	The speaker shall be exposed to -20 ±2°C, 50%RH for 96h with a 1h rest at room temperature.	
16	High Temperature Exposure	The speaker shall be exposed to 70 ±3°C, 50%RH for 96h with a 1h rest at room temperature.	
17	Humidity Exposure	The speaker shall be exposed to 40±3°C, 90%RH for 96h with a 1h rest at room temperature.	

	Stetron International Inc.		Speaker Specification Ø52 mm, Powder coated frame, 8 Ω, paper cone, Nd-Fe-B magnet, 3W, RoHS	
	SIZE A	DRAWN BY	PART No. D0052008NR155AR	
SCALE N/A	DATE 19-Nov-10	SHEET 1 of 1		
REV 0.0	DWG No. / FILE		DB10-072	