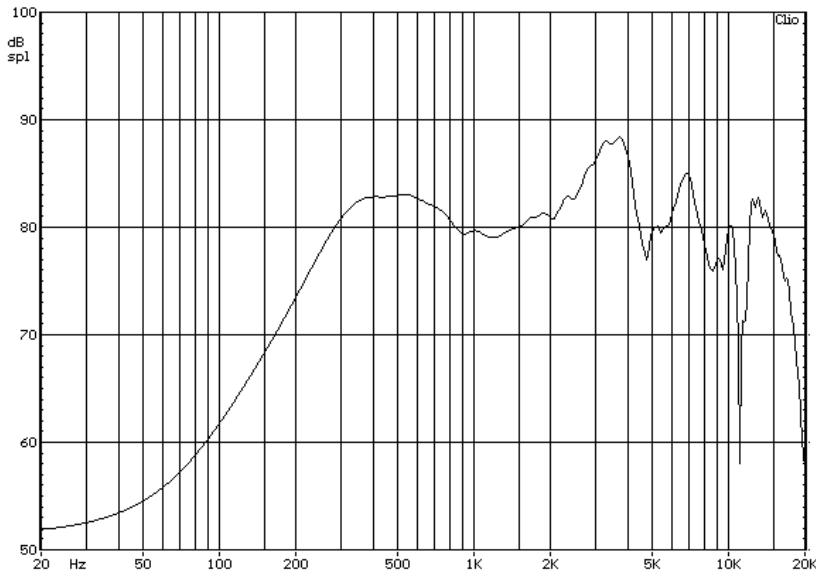



Typical Frequency Response 1W/1m



| ITEM | | SPECIFICATION | REMARKS |
|-------|---|--|--|
| 1 | Dimensions | 50.0 x 11.5mm | Diameter x Height |
| 2 | Impedance | 4.0Ω±15% | @ 1.0kHz/1V |
| 3 | Input Power | 2W/4W | RMS/Peak |
| 4 | Lowest Resonant Frequency, F ₀ | 350Hz ±20% | Constant Voltage (1V RMS) |
| 5 | Output SPL | 84dB ±3dB (90dB @ 1.0W/0.5m for reference) | Measured 1W/1m @ (0.4/0.5/0.6/0.7kHz) Avg. Using IEC 268-5 Baffle. |
| 6 | Total Harmonic Distortion | Max. 6% | @ 2W/1m/ 400Hz to 6kHz |
| 7 | Effective Frequency Range | F ₀ to 6kHz | See typical frequency response |
| 8 | Magnet Dimension | F13.5 x 2 mm | OD x H |
| TESTS | | | |
| 9 | Operation Test | White noise of 2W is applied for 96h. | The speaker must meet items 4 to 6 after test |
| 10 | Max. Input Power | The speaker shall be exposed to white noise of 4W for 1min. | |
| 11 | Buzz Test | 2.83 Vrms applied from F ₀ to 20kHz | There shall be no extraneous noise |
| 12 | Polarity | A positive DC current is applied to the terminal marked + | The diaphragm shall move forward |
| 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) | 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) |
| 14 | Low Temperature Exposure | The speaker shall be exposed to -40 ±2°C, 50%RH for 96h with a 1h rest at room temperature. | The speaker must meet items 4 to 6 after test |
| 15 | High Temperature Exposure | The speaker shall be exposed to 85 ±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. | |

| | | | |
|---|------------|--|---------------|
|  Stetron International Inc. | | LoudSpeaker Specification 50x11.5mm, 4.0Ω, 2W RoHS | |
| SIZE | DRAWN BY | PART No. | |
| A | | P0050004NC001AR | |
| SCALE | N/A | DATE | SHEET |
| | | 17-June-09 | 1 of 1 |
| REV | 0.0 | DWG No. / FILE | |
| | | DB09-006 | |