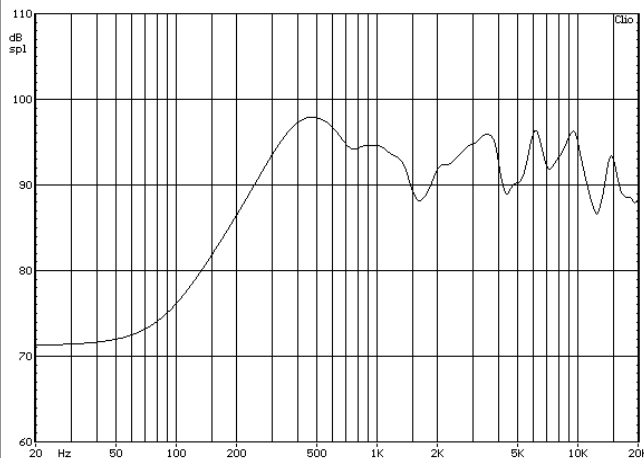


Typical Frequency Response



Customer's Approval

Name: _____

Title: _____

Signature: _____

| REV | DATE | ID | DESCRIPTION |
|-----|-----------|----|---|
| 0.0 | 18-Sep-13 | RS | Original Drawing (From DB05-115 Rev4.4) |
| 0.1 | 7-Nov-14 | RS | Removed rear gasket |
| 0.2 | 20-Jan-15 | RC | Revised connector and gasket information |
| 0.3 | 4-Feb-15 | RS | Modified frame lip tolerance |
| 0.4 | 9-Feb-15 | RS | Added cone excursion and revised frame lip height |
| 0.5 | 30-Mar-15 | RS | Updated Typical Frequency Response Curve |
| 0.6 | 17-Sep-15 | RS | Changed connector type |

| ITEM | | SPECIFICATION | REMARKS |
|-------|---|--|--|
| 1 | Dimensions | Ø66mm Diameter | O.D |
| 2 | Impedance | 40Ω ±15% | @ 1kHz/1V |
| 3 | Input Power | 0.5W/1W | Rated/Max |
| 4 | Lowest Resonant Frequency, F ₀ | 320Hz ±20% | Constant Voltage (1V) |
| 5 | Output SPL | 94±3dB | Measured @ 1.0W/0.5m on IEC 268-5 Baffle; Avg @ (0.8/1.0/1.2/1.5)kHz |
| 6 | Effective Frequency Range | F ₀ to 5kHz | 1.0W/0.5m |
| 7 | Total Harmonic Distortion | <5% | Measured @ 0.8kHz/0.25W/0.5m |
| 8 | Magnet Dimension | Ø12.5x3.0 mm | Nd-Fe-B |
| TESTS | | | |
| 9 | Rated Power Test | White noise of 0.5W is applied for 96h. | The speaker must meet items 4&5 after test |
| 10 | Max. Input Power | The speaker shall be exposed to white noise of 1.0W for 1min. | |
| 11 | Buzz & Rattle Test | 4.47Vrms sinusoidal input swept from 320Hz to 10kHz | 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 | High Temperature Exposure | The speaker shall be exposed to 70 ±3°C, 50%RH for 96h with a 1h rest at room temperature. | The speaker must meet items 4&5 after test |
| 15 | Low Temperature Exposure | The speaker shall be exposed to -25 ±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. | |

NOTES: All dimensions in mm.
QB13178; RoHS compliant



Stetron International Inc.
Loudspeaker Spec. Ø66mm, 40Ω, Paper cone, Nd-Fe-B magnet, Rated power: 0.5W

| | | |
|-------|----------------|-----------------|
| SIZE | DRAWN BY | PART No. |
| A | RS | U0066040NP004AR |
| SCALE | DATE | SHEET |
| N/A | 17-Sept-15 | 1 of 1 |
| REV | DWG No. / FILE | CHK'd By: |
| 0.6 | DB13-045 | RC |

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