

Tweeter

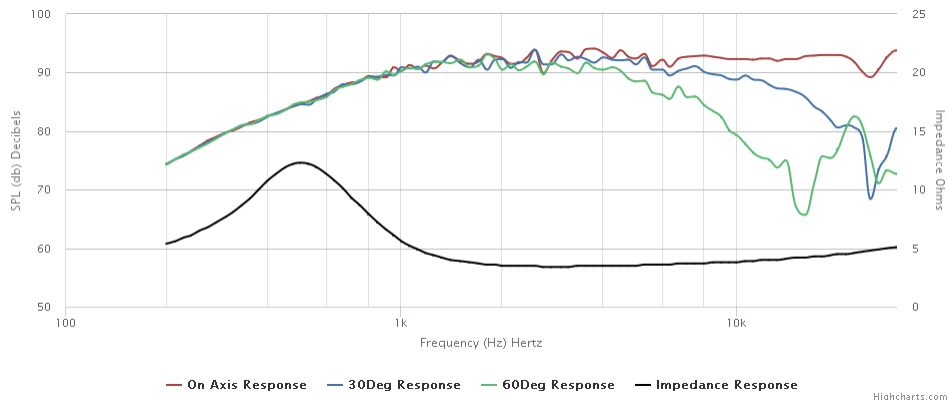
This member of the XT tweeter family utilizes two Tymphany technologies to deliver exceptional sound quality: the ring radiator patent, and the central waveguide patent. This model features a 4 ohm 25 mm voice coil, mounted in a ferrite magnet motor. The tweeter also features a rear chamber to create extended low frequency response. The faceplate features recessed mounting holes which minimizes reflections off of mounting screws.



XT25BG60-04

| SPECIFICATIONS | | | | | | | | |
|------------------------------------|------------------|------------|---------------|-------|----------------------------|------|-----------------------|-------|
| DC Resistance | Revc | Ω | 2.99 | ±5.0% | Moving Mass | Mms | g | 0.4 |
| Minimum Impedance | Zmin | Ω | 3.44 | ±7.5% | Suspension Compliance | Cms | um/N | 203.4 |
| Voice Coil Inductance | Le | mH | 0.01 | - | Effective Cone Diameter | D | cm | 3.24 |
| Resonant Frequency | fs | Hz | 589.1 | 15% | Effective Piston Area | Sd | cm ² | 8.2 |
| Mechanical Q Factor | Qms | - | 1.31 | - | Equivalent Volume | Vas | L | 0.02 |
| Electrical Q Factor | Qes | - | 0.43 | - | Motor Force Factor | BL | T•m | 3.07 |
| Total Q Factor | Qts | - | 0.32 | - | Motor Efficiency Factor | β | (T•m ²)/Ω | 3.2 |
| Ratio | fs/Qts | - | 1840.94 | - | Voice Coil Former Material | VCfm | - | ASV |
| Half Space Sensitivity | dB@2.83V/1m | dB | 92.26 | ±1.01 | Voice Coil Inner Diameter | VCd | mm | 25.76 |
| Sensitivity | 1W/1m | dB | 88.6 | ±1.01 | Gap Height | Gh | mm | 2 |
| Rated Noise Power (IEC 268-5 18.1) | P | W | 100 | - | Maximum Linear Excursion | Xmax | mm | 0.1 |
| Test Spectrum Bandwidth | 1300 Hz - 20k Hz | 12 dB/Oct | 500Hz - 20kHz | - | Ferrofluid Type | FF | - | - |
| Energy Bandwidth Product | EBP | (1/Qes)•fs | - | - | Transducer Size | - | - | 25 mm |
| | | | | | Transducer Mass | - | Kg | 0.78 |

FREQUENCY & IMPEDANCE RESPONSE



MECHANICAL 2D DRAWING

