

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 19 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.



XT19TD00-04

| SPECIFICATIONS | | | | | | | | |
|------------------------------------|------------------|------------|---------------|-------------|----------------------------|---------|-------------------------------|-------|
| DC Resistance | Revc | Ω | 2.86 | $\pm 5.0\%$ | Moving Mass | Mms | g | 0.2 |
| Minimum Impedance | Zmin | Ω | 3.28 | $\pm 7.5\%$ | Suspension Compliance | Cms | um/N | 211.2 |
| Voice Coil Inductance | Le | mH | 0.01 | - | Effective Cone Diameter | D | cm | 2.5 |
| Resonant Frequency | fs | Hz | 762.77 | 15% | Effective Piston Area | Sd | cm ² | 4.9 |
| Mechanical Q Factor | Qms | - | 3.05 | - | Equivalent Volume | Vas | L | 0.01 |
| Electrical Q Factor | Qes | - | 0.83 | - | Motor Force Factor | BL | T•m | 1.85 |
| Total Q Factor | Qts | - | 0.65 | - | Motor Efficiency Factor | β | (T•m ²)/ Ω | 1.2 |
| Ratio | fs/Qts | - | 1171.69 | - | Voice Coil Former Material | VCfm | - | ASV |
| Half Space Sensitivity | dB@2.83V/1m | dB | 89.13 | ± 1.01 | Voice Coil Inner Diameter | VCd | mm | 19.3 |
| Sensitivity | 1W/1m | dB | 85.2 | ± 1.01 | Gap Height | Gh | mm | 2.5 |
| Rated Noise Power (IEC 268-5 18.1) | P | W | 120 | - | Maximum Linear Excursion | Xmax | mm | 0.4 |
| Test Spectrum Bandwidth | 1300 Hz - 20k Hz | 12 dB/Oct | 700Hz - 20kHz | - | Ferrofluid Type | FF | - | - |
| Energy Bandwidth Product | EBP | (1/Qes)•fs | - | - | Transducer Size | - | - | 19 mm |
| | | | | | Transducer Mass | - | Kg | 0.32 |

