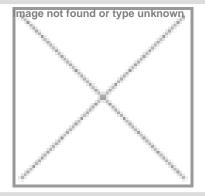
Model No:: XT19TD00-04 Product Line: Tymphany

Product Description

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.

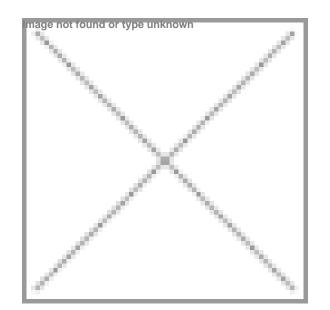
Mechanical Drawing



Specifications

| DC Resistance | Revc | Ohms | 2.86 | 5.0% | Energy Bandwidth Product | EBP | (1/Qes)*fs | |
|-------------------------------|-------------|--------|---------|-----------|----------------------------|---------------|--------------|-------|
| Minimum Impedance | Zmin | Ohms | 3.28 | 7.5% | Moving Mass | Mms | g | 0.2 |
| Voice Coil Inductance | Le | mH | 0.01 | | Suspension Compliance | Cms | um/N | 211.2 |
| Resonant Frequency | Fs | Hz | 762.77 | 15% | Effective Cone diameter | D | cm | 2.5 |
| Mechanical Q Factor | Qms | | 3.05 | | Effective Piston Area | Sd | cm^2 | 4.9 |
| Electrical Q Factor | Qes | 0.83 | | | Effective Volume | Vas | L | 0.01 |
| Total Q Factor | Qts | | 0.65 | | Motor Force Factor | BL | Tm | 1.85 |
| Ratio Fs/Qts | F | Fs/Qts | 1171.69 | | Motor Efficiency Factor | ß | (T*M^2)/Ohms | 1.2 |
| Half Space Sensitivity @2.83V | db@2.83V/1M | dB | 89.13 | +/- 1.0db | Voice coil former Material | VCfm | | ASV |
| Half Space Sensitivity @1W/1M | db@1W/1M | dB | 85.2 | +/- 1.0db | Voice coil inner diameter | VCd | mm | 19.3 |
| Gap Height | Gh | mm | 2.5 | | Rated Noise Power | P | W | 120 |
| Maximum Linear Excursion | Xmax | mm | 0.4 | | Test Spectrum Bandwidth | 700Hz - 20kHz | | |
| Ferrofluid Type | FF | | | | Driver Size | Inch | 19 mm | |
| Driver Mass | Kg | 0.32 | | | | | | |

Frequency and Impedance Response



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Driver Specification Sheet

Rev: 1 Last Update: 2017-03-03 09:00:02

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