

Model No:: TC5FB00-04

Product Line: Tymphany

Rev: 1

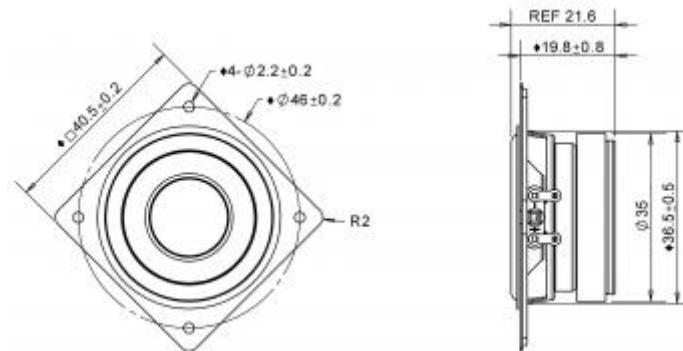
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Product Description

This TC family 1.5 inch 4 ohm full-range driver, with ferrite magnet, paper cone and PU surround, and steel basket, is designed to be a cost-effective high performance full range driver. The product was designed with portable and other compact applications in mind.



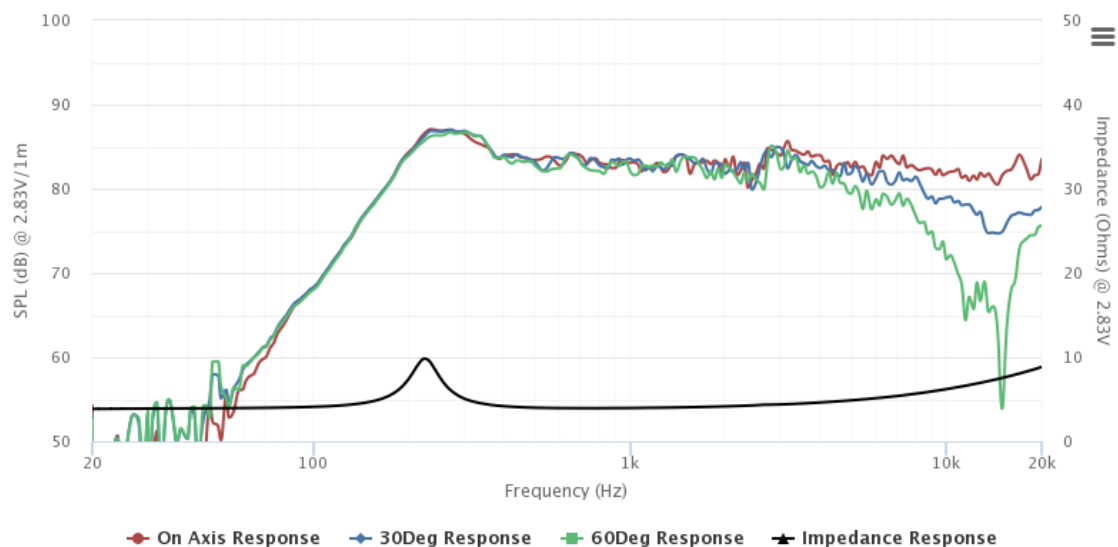
Mechanical Drawing



Specifications

| | | | | | | | | |
|-------------------------------|-------------|--------|--------|-----------|----------------------------|------|--------------|--------|
| DC Resistance | Revc | Ohms | 3.58 | 5.0% | Energy Bandwidth Product | EBP | (1/Qes)*fs | |
| Minimum Impedance | Zmin | Ohms | 3.94 | 7.5% | Moving Mass | Mms | g | 0.5 |
| Voice Coil Inductance | Le | mH | 0.04 | | Suspension Compliance | Cms | um/N | 1004.2 |
| Resonant Frequency | Fs | Hz | 234.82 | 15% | Effective Cone diameter | D | cm | 3.15 |
| Mechanical Q Factor | Qms | | 4.71 | | Effective Piston Area | Sd | cm^2 | 7.8 |
| Electrical Q Factor | Qes | 2.64 | | | Effective Volume | Vas | L | 0.09 |
| Total Q Factor | Qts | | 1.69 | | Motor Force Factor | BL | Tm | 0.96 |
| Ratio Fs/Qts | F | Fs/Qts | 138.87 | | Motor Efficiency Factor | β | (T*M^2)/Ohms | 0.3 |
| Half Space Sensitivity @2.83V | db@2.83V/1M | dB | 83.22 | +/- 1.0db | Voice coil former Material | VCfm | | ASV |
| Half Space Sensitivity @1W/1M | db@1W/1M | dB | 80.1 | +/- 1.0db | Voice coil inner diameter | VCd | mm | 16.28 |
| Gap Height | Gh | mm | 2 | | Rated Noise Power | P | W | 5 |
| Maximum Linear Excursion | Xmax | mm | 0.6 | | Test Spectrum Bandwidth | | 250Hz-20KHz | |
| Ferrofluid Type | FF | | | | Driver Size | Inch | 1.5 in | |
| Driver Mass | Kg | | 0.07 | | | | | |

Frequency and Impedance Response



Highcharts.com