

Model No.: TC6FC02-04

Product Line: Tymphany

Rev: 1

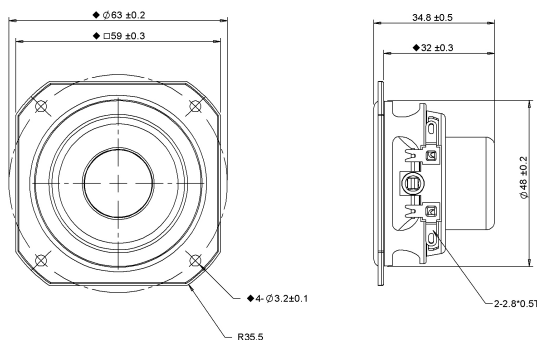
Last Update: 2017-04-25 14:32:09

Product Description

This TC family 2 inch 4 ohm full-range driver, with NdFeB magnet, paper cone and rubber surround, and steel basket, is designed to be a cost-effective high performance full range driver. The cone utilizes Tymphany-patented PentaCut NRSC cone technology to help dampen and control cone resonances, optimizing the listening experience. The motor contains a copper cap to lower inductance and distortion. The product was designed for Pro column speaker and other high sensitivity full range applications.



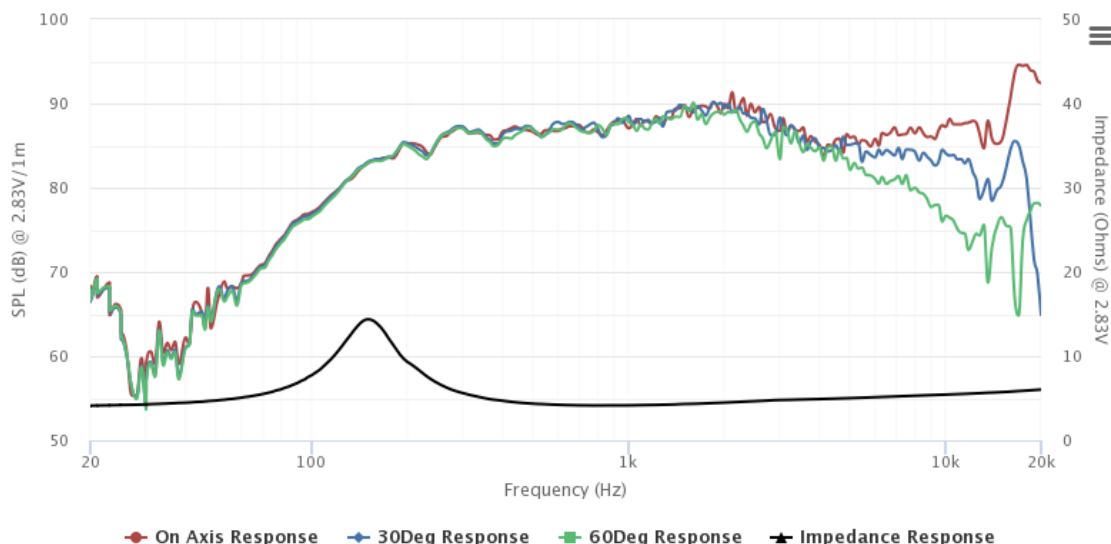
Mechanical Drawing



Specifications

| | | | | | | | |
|--------------------------------|-------------|--------|--------|-----------|----------------------------|---------|-------------------------------|
| DC Resistance | Revc | Ohms | 3.41 | 5.0% | Energy Bandwidth Product | EBP | $(1/Qes) \cdot fs$ |
| Minimum Impedance | Zmin | Ohms | 4.14 | 7.5% | Moving Mass | Mms | g |
| Voice Coil Inductance | Le | mH | 0.02 | | Suspension Compliance | Cms | um/N |
| Resonant Frequency | Fs | Hz | 172.23 | 15% | Effective Cone diameter | D | cm |
| Mechanical Q Factor | Qms | | 2.24 | | Effective Piston Area | Sd | cm ² |
| Electrical Q Factor | Qes | | 0.78 | | Effective Volume | Vas | L |
| Total Q Factor | Qts | | 0.58 | | Motor Force Factor | BL | Tm |
| Ratio Fs/Qts | F | Fs/Qts | 297.46 | | Motor Efficiency Factor | β | $(T \cdot M^2) / \text{Ohms}$ |
| Half Space Sensitivity @ 2.83V | db@2.83V/1M | dB | 86.57 | +/- 1.0db | Voice coil former Material | VCfm | ASV |
| Half Space Sensitivity @ 1W/1M | db@1W/1M | dB | 83.7 | +/- 1.0db | Voice coil inner diameter | VCd | mm |
| Gap Height | Gh | mm | 3 | | Rated Noise Power | P | W |
| Maximum Linear Excursion | Xmax | mm | 0.6 | | Test Spectrum Bandwidth | | 150Hz-10KHz |
| Ferrofluid Type | FF | | | | Driver Size | Inch | 2 in |
| Driver Mass | Kg | | 0.08 | | | | |

Frequency and Impedance Response



Highcharts.com