# Driver Specification Sheet

Peerless by TYMPHANY

Model No: TC6FD02-04
Product Line: Tymphany

Rev: 2
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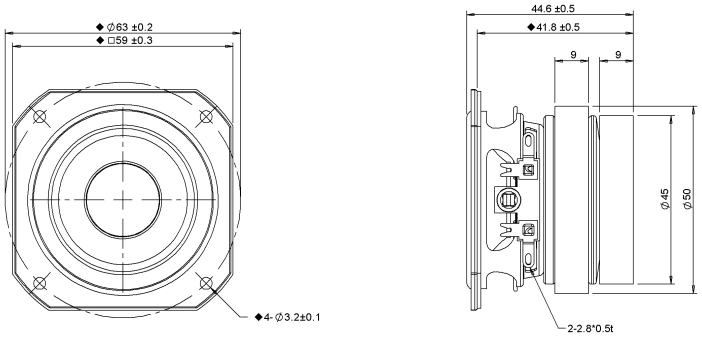
## Product Description

This TC family full-range driver,with 2 Inch 4Ohm paper cone and rubber surround, 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 with television and other compact applications in mind.

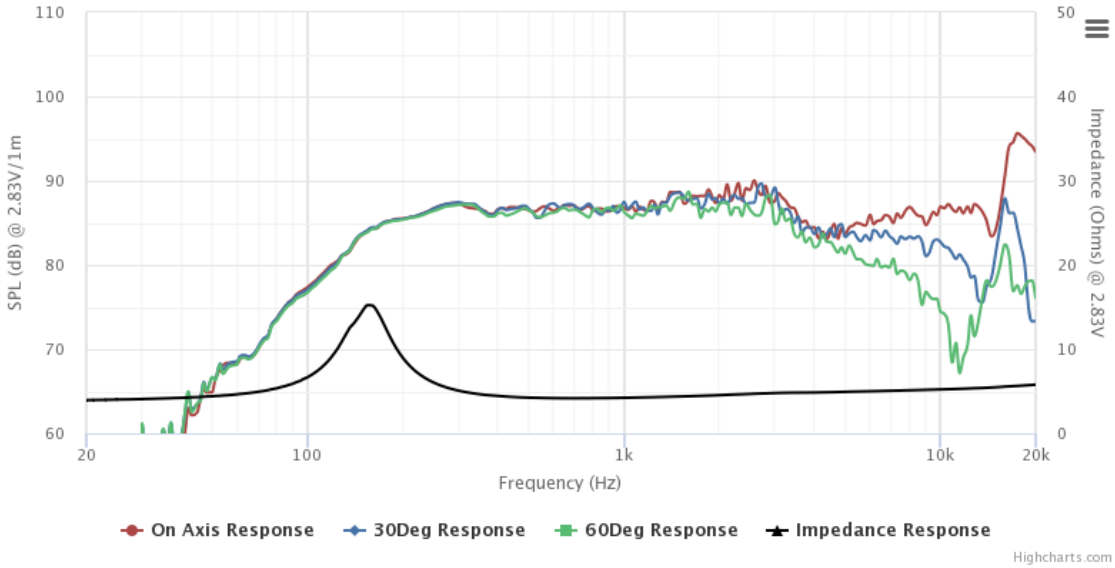
## Mechanical Drawing




## Specifications

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| DC Resistance | Revc | Ohms | 3.27 | 5.0% | Energy Bandwidth Product | EBP | (1/Qes)*fs | |
| Minimum Impedance | Zmin | Ohms | 4.17 | 7.5% | Moving Mass | Mms | g | 1.1 |
| Voice Coil Inductance | Le | mH | 0.02 | | Suspension Compliance | Cms | um/N | 773.6 |
| Resonant Frequency | Fs | Hz | 171.16 | 15% | Effective Cone diameter | D | cm | 4.4 |
| Mechanical Q Factor | Qms | | 3.15 | | Effective Piston Area | Sd | cm^2 | 15.2 |
| Electrical Q Factor | Qes | 0.97 | | | Effective Volume | Vas | L | 0.25 |
| Total Q Factor | Qts | | 0.74 | | Motor Force Factor | BL | Tm | 2.01 |
| Ratio Fs/Qts | F | Fs/Qts | 230.68 | | Motor Efficiency Factor | ß | (T*M^2)/Ohms | 1.2 |
| Half Space Sensitivity @2.83V | db@2.83V/1M | dB | 86.84 | +/- 1.0db | Voice coil former Material | VCfm | | ASV |
| Half Space Sensitivity @1W/1M | db@1W/1M | dB | 84 | +/- 1.0db | Voice coil inner diameter | VCd | mm | 19.32 |
| Gap Height | Gh | mm | 3 | | Rated Noise Power | P | W | 15 |
| Maximum Linear Excursion | Xmax | mm | 0.6 | | Test Spectrum Bandwidth | 100-10000 | | |
| Ferrofluid Type | FF | | | | Driver Size | Inch | 2 in | |
| Driver Mass | Kg | 0.26 | | | | | | |

## Frequency and Impedance Response




Tymphany HK LTD
Address : Room 1307-8 Dominion Centre, 43-59 Queens Rd East, Wanchai, Hong Kong
E-mail: sales@tymphany.com