

Model No.: TG9FD10-08

Product Line: Tymphany

Rev: 1

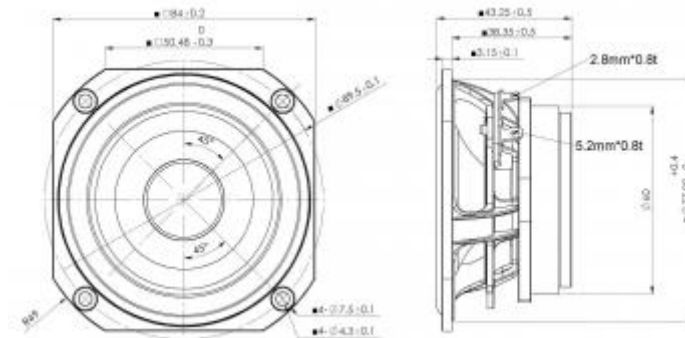
Last Update: 2017-04-25 14:32:09

Product Description

This TG family 3.5 inch 8 ohm full-range driver, with ferrite magnet, glass fiber cone, rubber surround, and plastic basket, is designed to be a cost-effective high performance full range driver. The motor contains a copper cap to lower inductance and distortion. The product was designed with television and compact applications in mind.



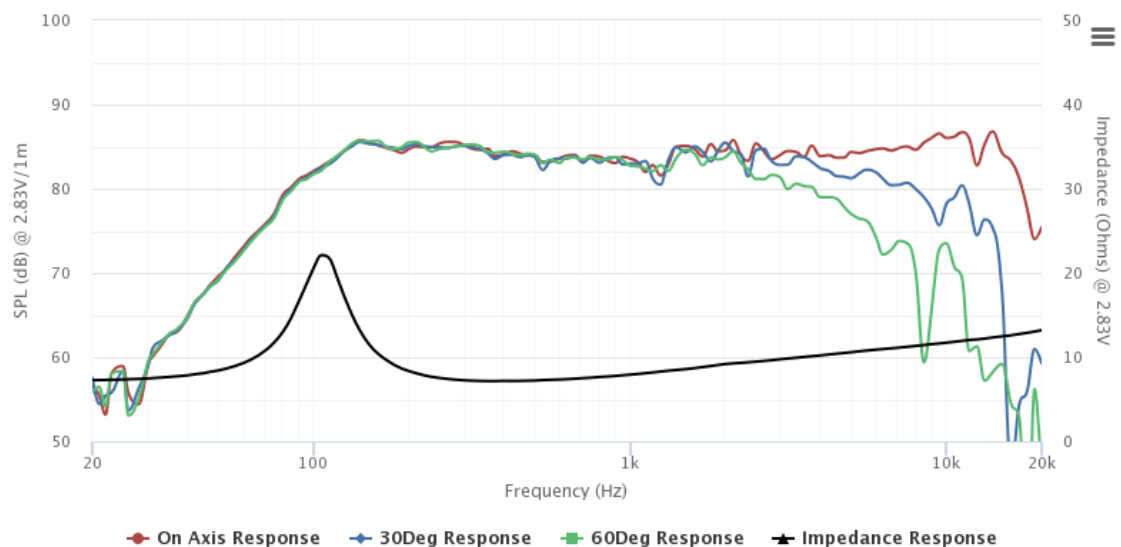
Mechanical Drawing



Specifications

| | | | | | | | | |
|-------------------------------|-------------|--------|--------|-----------|----------------------------|-------------|--------------|-------|
| DC Resistance | RevC | Ohms | 6.11 | 5.0% | Energy Bandwidth Product | EBP | (1/Qes)*fs | |
| Minimum Impedance | Zmin | Ohms | 7.16 | 7.5% | Moving Mass | Mms | g | 2.5 |
| Voice Coil Inductance | Le | mH | 0.11 | | Suspension Compliance | Cms | um/N | 502.8 |
| Resonant Frequency | Fs | Hz | 105 | 15% | Effective Cone diameter | D | cm | 6.8 |
| Mechanical Q Factor | Qms | | 1.75 | | Effective Piston Area | Sd | cm^2 | 36.3 |
| Electrical Q Factor | Qes | 1.23 | | | Effective Volume | Vas | L | 0.99 |
| Total Q Factor | Qts | | 0.72 | | Motor Force Factor | BL | Tm | 3.32 |
| Ratio Fs/Qts | F | Fs/Qts | 145.43 | | Motor Efficiency Factor | β | (T*M^2)/Ohms | 1.8 |
| Half Space Sensitivity @2.83V | db@2.83V/1M | dB | 84.43 | +/- 1.0db | Voice coil former Material | VCfm | | ASV |
| Half Space Sensitivity @1W/1M | db@1W/1M | dB | 83.9 | +/- 1.0db | Voice coil inner diameter | VCd | mm | 19.43 |
| Gap Height | Gh | mm | 4 | | Rated Noise Power | P | W | 25 |
| Maximum Linear Excursion | Xmax | mm | 2.6 | | Test Spectrum Bandwidth | 100Hz-20KHz | | |
| Ferrofluid Type | FF | | | | Driver Size | Inch | 3.5 in | |
| Driver Mass | Kg | 0.32 | | | | | | |

Frequency and Impedance Response



Highcharts.com