

Model No.: DA25BG08-06
 Product Line: Tymphany

Rev: 1
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Product Description

This D family tweeter features an 6 ohm 25 mm voice coil, a treated Al dome, large rear chamber for low resonant frequency, and a ferrofluid-cooled ferrite motor. The large motor and rear chamber allow for robust power handling capacity. The tweeter comes with a faceplate with recessed mounting holes, for easy installation into the desired application.



Mechanical Drawing



Specifications

| | | | | | | | | |
|-------------------------------|-------------|---------|--------|-----------|----------------------------|--------|--------------|-------|
| DC Resistance | Revc | Ohms | 5.2 | 5.0% | Energy Bandwidth Product | EBP | (1/Qes)*fs | |
| Minimum Impedance | Zmin | Ohms | 6.82 | 7.5% | Moving Mass | Mms | g | 0.3 |
| Voice Coil Inductance | Le | mH | 0.02 | | Suspension Compliance | Cms | um/N | 157.3 |
| Resonant Frequency | Fs | Hz | 721 | 15% | Effective Cone diameter | D | cm | 2.91 |
| Mechanical Q Factor | Qms | | 1.89 | | Effective Piston Area | Sd | cm^2 | 6.7 |
| Electrical Q Factor | Qes | 0.7 | | | Effective Volume | Vas | L | 0.01 |
| Total Q Factor | Qts | 0.51 | | | Motor Force Factor | BL | Tm | 3.23 |
| Ratio Fs/Qts | F | Fs/Qts | 1416.5 | | Motor Efficiency Factor | β | (T*M^2)/Ohms | 2 |
| Half Space Sensitivity @2.83V | db@2.83V/1M | dB | 94.17 | +/- 1.0db | Voice coil former Material | VCfm | | ASV |
| Half Space Sensitivity @1W/1M | db@1W/1M | dB | 93.5 | +/- 1.0db | Voice coil inner diameter | VCd | mm | 25.4 |
| Gap Height | Gh | mm | 3 | | Rated Noise Power | P | W | 100 |
| Maximum Linear Excursion | Xmax | mm | 0.5 | | Test Spectrum Bandwidth | 2K-20K | | |
| Ferrofluid Type | FF | APG027n | | | Driver Size | Inch | 1 in | |
| Driver Mass | Kg | 0.68 | | | | | | |

Frequency and Impedance Response

