

Model No.: SDS-P830855
 Product Line: Peerless

Rev: 1
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Product Description

The SDS compact woofer family offers low resonant frequency performance, ideally suited for compact sealed enclosures. This 4 inch 8 ohm member of the SDS family offer a coated paper cone with rubber surround, a high power voice coil suspended in a ferrite magnet motor, and a narrow-profile steel basket shaped to fit into narrow cabinets.



Mechanical Drawing



Specifications

| | | | | | | | |
|-------------------------------|-------------|--------|--------|-----------|----------------------------|------|--------------|
| DC Resistance | Revc | Ohms | 5.6 | 5.0% | Energy Bandwidth Product | EBP | (1/Qes)*fs |
| Minimum Impedance | Zmin | Ohms | 6.43 | 7.5% | Moving Mass | Mms | g |
| Voice Coil Inductance | Le | mH | 0.24 | | Suspension Compliance | Cms | um/N |
| Resonant Frequency | Fs | Hz | 63.26 | 15% | Effective Cone diameter | D | cm |
| Mechanical Q Factor | Qms | | 4.66 | | Effective Piston Area | Sd | cm^2 |
| Electrical Q Factor | Qes | | 0.49 | | Effective Volume | Vas | L |
| Total Q Factor | Qts | | 0.44 | | Motor Force Factor | BL | Tm |
| Ratio Fs/Qts | F | Fs/Qts | 143.78 | | Motor Efficiency Factor | β | (T*M^2)/Ohms |
| Half Space Sensitivity @2.83V | db@2.83V/1M | dB | 84.78 | +/- 1.0db | Voice coil former Material | VCfm | GSV |
| Half Space Sensitivity @1W/1M | db@1W/1M | dB | 83.8 | +/- 1.0db | Voice coil inner diameter | VCd | mm |
| Gap Height | Gh | mm | 6 | | Rated Noise Power | P | W |
| Maximum Linear Excursion | Xmax | mm | 3 | | Test Spectrum Bandwidth | | 60Hz-5KHz |
| Ferrofluid Type | FF | | | | Driver Size | Inch | 4 in |
| Driver Mass | Kg | | 0.74 | | | | |

Frequency and Impedance Response

