

## HDS Exclusive 8" Woofer

# Peerless

### Type Number: 830884

#### Features:

This High Definition Sound (HDS) line of products push the performance limits of midbass audio transducers in a range of sizes - from the standard 205mm (8-inch) model, down to the very small 106mm (4-inch) model. Feature-rich and utilizing copper for the lowest distortion possible, the high-end HDS Exclusive Series takes maximum advantage of over 80 years of R&D experience to help systems designers build the world's best audio products.

Driver Highlights: Nomex diaphragm, 33 mm coil, AL, CU, LS, Phaseplug

#### Specs:

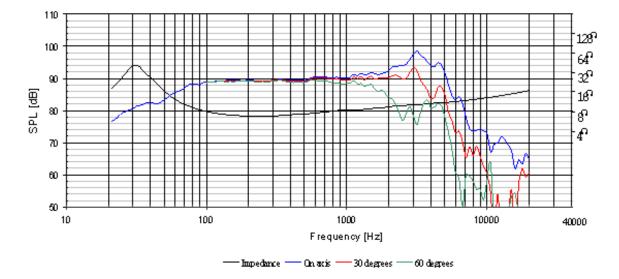
| <b>Electrical Data</b><br>Nominal impedance<br>Minimum impedance<br>Maximum impedance<br>DC resistance<br>Voice coil inductance   | Zn<br>Zmin<br>Zo<br>Re<br>Le  | 8<br>6.5<br>45.7<br>5.8<br>1.4   | ohm<br>ohm<br>ohm<br>ohm<br>mH                                       | <b>Power handling</b><br>100h RMS noise test (IEC)<br>Long-term Max System Power<br>(IEC)<br>Max linear SPL (rms) @ power<br>Short Term Max power   | <br><br>  |
|---|---|--|--|---|---|
| <b>T-S Parameters</b><br>Resonance Frequency<br>Mechanical Q factor<br>Electrical Q factor<br>Total Q factor<br>Ratio fs/Qts<br>Force factor<br>Mechanical resistance<br>Moving mass<br>Suspension compliance<br>Effective cone diameter<br>Effective piston area<br>Equivalent volume<br>Sensitivity<br>Ratio BL/√(Re) | fs<br>Qms<br>Qes<br>Qts<br>F<br>BI<br>Rms<br>Mms<br>Cms<br>D<br>Sd<br>Vas | 32.4<br>3<br>0.44<br>0.38<br>85<br>8<br>1.61<br>23.7<br>1.02<br>16.8<br>221<br>68.8<br>89.3<br>3.3 | Hz<br>Tm<br>Kg/s<br>g<br>mm/N<br>cm<br>cm <sup>2</sup><br>Itrs<br>dB | Voice Coil and Magnet Parameters<br>Voice coil diameter<br>Voice coil height<br>Voice coil layers<br>Height of the gap<br>Linear excursion +/-<br>Max mech. excursion +/-<br>Flux density of gap<br>Total useful flux<br>Diameter of magnet<br>Height of magnet<br>Weight of magnet | 33<br>17<br>2<br>6<br>5.5<br><br>1.1<br>102<br>20<br>0.68 |

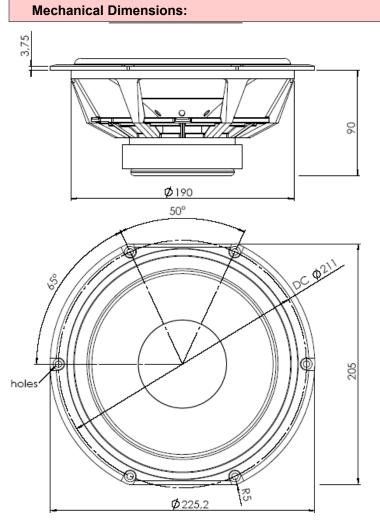
W W

dB/W W

mm mm

mm mm mWb mWb mm mm Kg





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