

## 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:

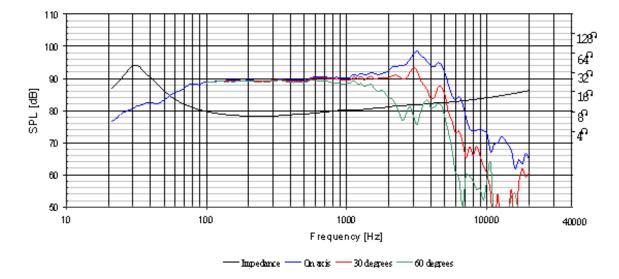
<b>Electrical Data</b> Nominal impedance Minimum impedance Maximum impedance DC resistance Voice coil inductance	Zn Zmin Zo Re Le	8 6.5 45.7 5.8 1.4	ohm ohm ohm ohm mH	<b>Power handling</b> 100h RMS noise test (IEC) Long-term Max System Power (IEC) Max linear SPL (rms) @ power Short Term Max power	 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

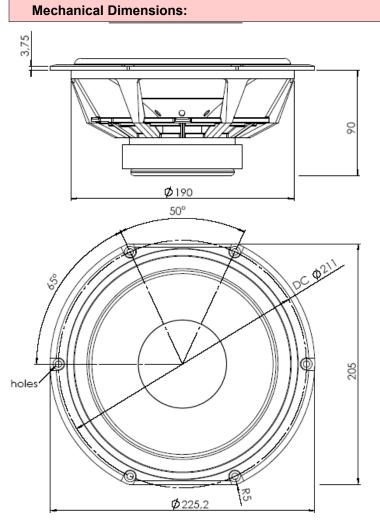
W W

dB/W W

mm mm

mm mm mWb mWb mm mm Kg





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