

HDS Exclusive 61/2" Midwoofer

Peerless

Type Number: 830883

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

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Specs:

Electrical Data Nominal impedance Minimum impedance Maximum impedance DC resistance Voice coil inductance	Zn Zmin Zo Re Le	8 6.4 38.4 5.7 1.1	ohm ohm ohm ohm mH	Power handling 100h RMS noise test (IEC) Long-term Max System Power (IEC) Max linear SPL (rms) @ power Short Term Max power	 	W W dB/W W
T-S Parameters 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 Bl Rms Mms Cms D Sd Vas	41.9 2.41 0.42 0.36 122 8.2 1.83 16.8 0.86 13.1 135 21.7 87.8 3.4	Hz Tm Kg/s g mm/N cm cm ² 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 2 6 3 1.1 102 20 0.64	mm mm mm mWb mWb mm Kg



