

HDS PPB 4" Midwoofer



Type Number: 830870

Features:

The new High Definition Sound (HDS) PPB series is the culmination of Peerless working in close partnership with end users of Peerless-based audio products. With a deep understanding of customer requirements and needs, Peerless developed the proprietary and highly advanced Polypropylene Black (PPB) cone material used in the HDS PPB Series, creating a stiff but still dampened cone that remains stable even under the greatest sound pressures.

See architecture notes for **HDS Platform**

Driver Highlights: PPB diaphragm, 26 mm coil, AL

See Application Notes

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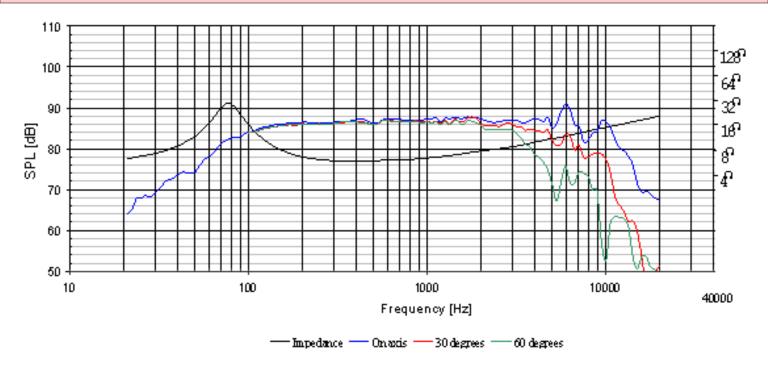




Specs:

Electrical Data Nominal impedance Minimum impedance Maximum impedance DC resistance Voice coil inductance	Zn Zmin Zo Re Le	8 5.6 30.8 5.2 0.6	ohm ohm ohm ohm mH	Power handling 100h RMS noise test (IEC) Long-term Max Power (IEC 18.3) Max linear SPL (rms) @ power Short Term Max power (IEC 18.2) Voice Coil and Magnet Parameters	 	W W dB/W W
T-S Parameters Resonance Frequency Mechanical Q factor Electrical Q factor Total Q factor Force factor Mechanical resistance Moving mass Suspension compliance Effective cone diameter Effective piston area Equivalent volume Sensitivity (2.83V/1m) Ratio BL/√(Re) Ratio fs/Qts	fs Qms Qes Qts Bl Rms Mms Cms D Sd Vas	77.6 3.19 0.65 0.54 4.8 0.9 5.9 0.72 8.4 55 3 87 2.1 144	Tm Kg/s g mm/N cm cm ² ltrs dB	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 Notes: IEC specs refer to IEC 60268-5 third edition. All Tymphany products are RoHS compliant.	26 12 2 6 3 0.7 81 15 0.31	mm mm mm mm mWb mWb mm mm Kg

Frequency: 830870



Mechanical Dimensions:830870

