

## HDS PPB 4" Midwoofer



Type Number: 830854

## Features:

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

See architecture notes for HDS Platform

Driver Highlights: Shielded for television and PC applications, PPB diaphragm, 26 mm coil, AL, Shielded

See **Application Notes** 

Go to Application Notes.

Go to Architecture Notes



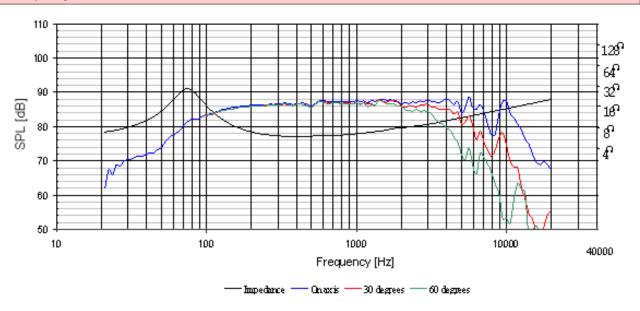


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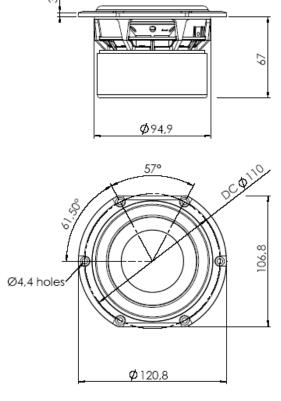
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Electrical Data Nominal impedance Minimum impedance Maximum impedance DC resistance	Zn Zmin Zo Re	8 5.6 30.3 5.3	ohm ohm ohm	Power handling 100h RMS noise test (IEC) Long-term Max Power (IEC 18.3) Max linear SPL (rms) @ power Short Term Max power (IEC 18.2)	- - -	W W dB/W W
Voice coil inductance T-S Parameters	Le	0.6	mH Hz	Voice Coil and Magnet Parameters Voice coil diameter	26 12	mm mm
Resonance Frequency Mechanical Q factor Electrical Q factor	fs Qms Qes	75.7 2.66 0.56	П	Voice coil height Voice coil layers Height of the gap	2 6	mm
Total Q factor Force factor Mechanical resistance	Qts Bl Rms	0.46 5.1 1.05	Tm Kg/s	Linear excursion +/- Max mech. excursion +/- Flux density of gap	3  	mm mm mWb
Moving mass Suspension compliance Effective cone diameter	Mms Cms D	5.9 0.76 8.4	g mm/N cm	Total useful flux Diameter of magnet Height of magnet	0.7 72 25	mWb mm mm
Effective piston area Equivalent volume Sensitivity (2.83V/1m) Ratio BL/\(\text{(Re)}\) Ratio fs/\(\text{Qts}\)	Sd Vas F	55 3.2 86.8 2.2 165	cm <sup>2</sup> Itrs dB	Weight of magnet  Notes: IEC specs refer to IEC 60268-5 third edition. All Tymphany products are RoHS compliant.	0.39	Kg
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## Frequency: 830854



## **Mechanical Dimensions:830854**



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