

HDS Exclusive 4" Midwoofer



Type Number: 830881

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.

See architecture notes for **HDS Platform**

Driver Highlights: Nomex diaphragm, 26 mm coil, AL, CU,

Phaseplug

See Application Notes

Go to Application Notes.

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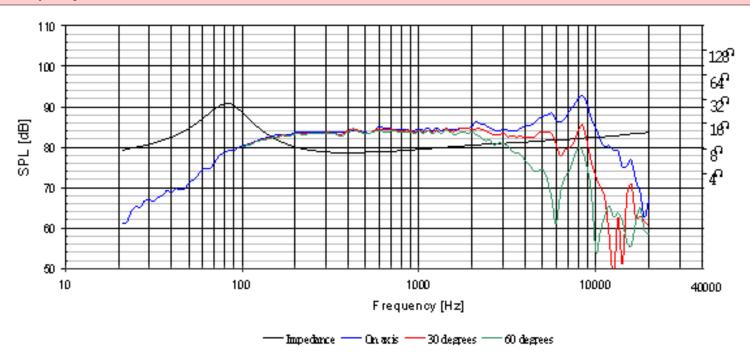




Specs:

Electrical Data Nominal impedance Minimum impedance Maximum impedance DC resistance Voice coil inductance	Zn Zmin Zo Re Le	8 6.8 30.6 5.9	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	81.2 2.31 0.55 0.45 6.4 1.63 7.4 0.52 8.2 53 2 84 2.6 182	Tm Kg/s g mm/N cm cm² 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 13 2 6 3.5 0.7 81 15 0.31	mm mm mm mm mWb mWb mm mm Kg

Frequency: 830881



Mechanical Dimensions:830881

