

HDS Nomex 8" Woofer



Type Number: 830869

Features:

The High Definition Sound (HDS) NOMEX Series offers high-quality solutions for both multi-way speaker systems and vented box applications. Featuring "shorting rings" for low distortion and coils offering perfect linear compatibility with NOMEX cones, these audio transducers are characterized by their very open, very rich sound character.



Driver Highlights: Nomex diaphragm, 33 mm coil, AL

Specs:

Electrical Data

Nominal impedance	Zn	8	ohm
Minimum impedance	Zmin	6.9	ohm
Maximum impedance	Zo	81.5	ohm
DC resistance	Re	6	ohm
Voice coil inductance	Le	1.8	mH

T-S Parameters

Resonance Frequency	fs	29.5	Hz
Mechanical Q factor	Qms	3.94	
Electrical Q factor	Qes	0.31	
Total Q factor	Qts	0.29	
Ratio fs/Qts	F	102	
Force factor	Bl	9.6	Tm
Mechanical resistance	Rms	1.22	Kg/s
Moving mass	Mms	25.9	g
Suspension compliance	Cms	1.13	mm/N
Effective cone diameter	D	16.8	cm
Effective piston area	Sd	221	cm ²
Equivalent volume	Vas	76.1	ltrs
Sensitivity		90	dB
Ratio BL/√(Re)		3.9	

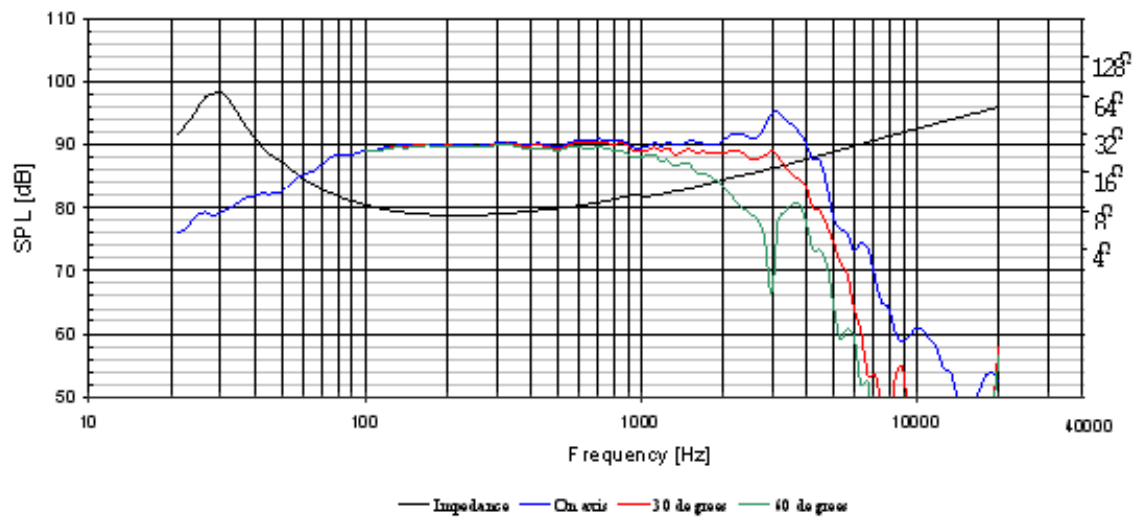
Power handling

100h RMS noise test (IEC)	--	W
Long-term Max System Power (IEC)	--	W
Max linear SPL (rms) @ power	--	dB/W
Short Term Max power	--	W

Voice Coil and Magnet Parameters

Voice coil diameter	33	mm
Voice coil height	17	mm
Voice coil layers	4	
Height of the gap	6	mm
Linear excursion +/-	5.5	mm
Max mech. excursion +/-	--	mm
Flux density of gap	--	mWb
Total useful flux	1.03	mWb
Diameter of magnet	102	mm
Height of magnet	20	mm
Weight of magnet	0.68	Kg

Frequency:



Mechanical Dimensions:

