

SDS 51/4" Midwoofer



Type Number: 830656

Features:

The Superior Dynamic Sounds (SDS) Series provides the smallest but highest-quality subwoofers in the industry today. Leveraging the best in Danish craftsmanship, but manufactured to be very affordable, these audio transducers are ideal for use is small surround sound systems, but can also be used in a wide variety of end user products and applications. The speakers in this line are combinable with subwoofers in the SLS line--for example, these two products work extremely well together in home theater solutions.

See architecture notes for SDS Platform

Driver Highlights: Coated Paper cone Mms 32gr

See Application Notes

Go to Application Notes.

Go to Architecture Notes

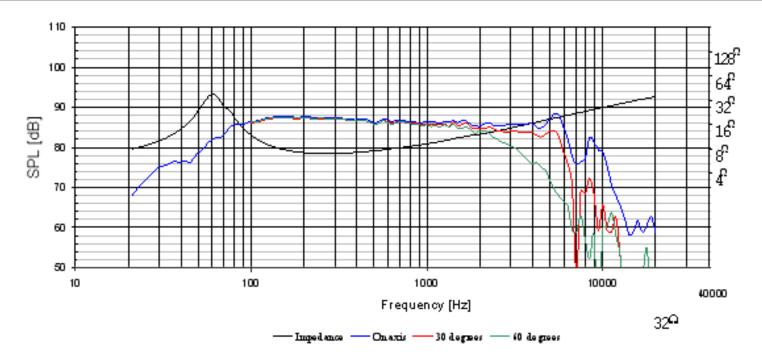




Specs:

Electrical Data Nominal impedance Minimum impedance Maximum impedance DC resistance Voice coil inductance	Zn Zmin Zo Re Le	8 6.7 40.5 6 1.5	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				Voice coil diameter	26	mm
Resonance Frequency	fs	62.4	Hz	Voice coil height	13	mm
Mechanical Q factor	Qms	3.63		Voice coil layers	2	
Electrical Q factor	Qes	0.63		Height of the gap	6	mm
Total Q factor	Qts	0.54		Linear excursion +/-	3.5	mm
Force factor	BI	5.5	Tm	Max mech. excursion +/-		mm
Mechanical resistance	Rms	0.87	Kg/s	Flux density of gap		mWb
Moving mass	Mms	8.1	g	Total useful flux	0.6	mWb
Suspension compliance	Cms	0.81	mm/N	Diameter of magnet	72	mm
Effective cone diameter	D	1.8	cm	Height of magnet	15	mm
Effective piston area	Sd	91	cm ²	Weight of magnet	0.23	Kg
Equivalent volume	Vas	9.2	Itrs			
Sensitivity (2.83V/1m)		87	dB			
Ratio BL/√(Re)		2.2		Notes:		
Ratio fs/Qts	F	116		IEC specs refer to IEC 60268-5 third edition. All Tymphany products are RoHS compliant.		

Frequency: 830656



Mechanical Dimensions:830656

