

Model No.: SDS-135F25CP05-04

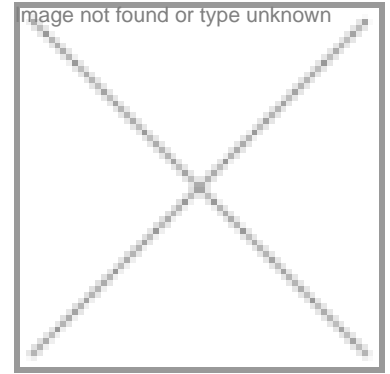
Rev: 1

Product Line: Tymphany

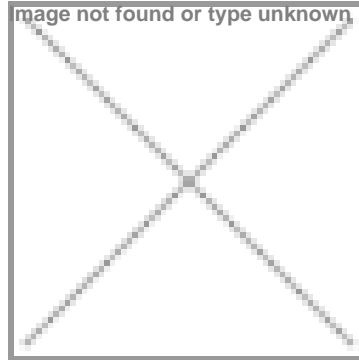
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Product Description

The SDS compact subwoofer family offers low resonant frequency performance, ideally suited for compact sealed enclosures. This 5.25 inch 4 ohm member of the SDS family offer a coated paper cone with rubber surround, a high power voice coil suspended in a ferrite magnet motor, and a narrow-profile steel basket shaped to fit into narrow cabinets.



Mechanical Drawing



Specifications

DC Resistance	Revc	Ohms	3.36	5.0%	Energy Bandwidth Product	EBP	(1/Qes)*fs	
Minimum Impedance	Zmin	Ohms	3.68	7.5%	Moving Mass	Mms	g	10.8
Voice Coil Inductance	Le	mH	0.19		Suspension Compliance	Cms	um/N	712.4
Resonant Frequency	Fs	Hz	57.31	15%	Effective Cone diameter	D	cm	10.5
Mechanical Q Factor	Qms		3.27		Effective Piston Area	Sd	cm^2	86.6
Electrical Q Factor	Qes		0.58		Effective Volume	Vas	L	7.5
Total Q Factor	Qts		0.49		Motor Force Factor	BL	Tm	4.76
Ratio Fs/Qts	F	Fs/Qts	116.49		Motor Efficiency Factor	β	(T*M^2)/Ohms	6.7
Half Space Sensitivity @2.83V	db@2.83V/1M	dB	89.2	+/- 1.0db	Voice coil former Material	VCfm		ASV
Half Space Sensitivity @1W/1M	db@1W/1M	dB	85.8	+/- 1.0db	Voice coil inner diameter	VCd	mm	25.73
Gap Height	Gh	mm	6		Rated Noise Power	P	W	40
Maximum Linear Excursion	Xmax	mm	3.4		Test Spectrum Bandwidth		20HZ-3KHZ	
Ferrofluid Type	FF				Driver Size	Inch	5.25 in	
Driver Mass	Kg		0.72					

Frequency and Impedance Response

