TYMPHANY

Driver Specification Sheet

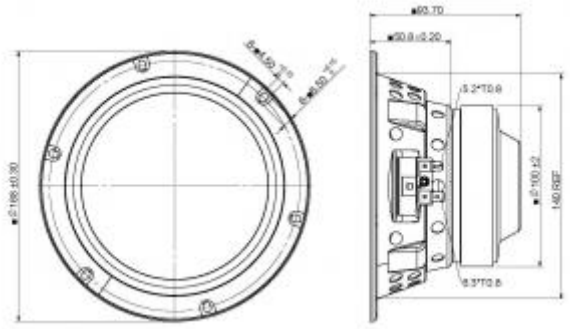
Model No:: SBS-160F35AL01-04
Product Line: Tymphany

Rev: 1
Last Update: 2017-04-25 14:32:09

Product Description

This is a 6.5inch 4ohm woofer, a member of the new SBS product family. This driver features a black anodized aluminum cone, inverted rubber surround, ferrite magnet, steel basket. Designed for high excursion applications.

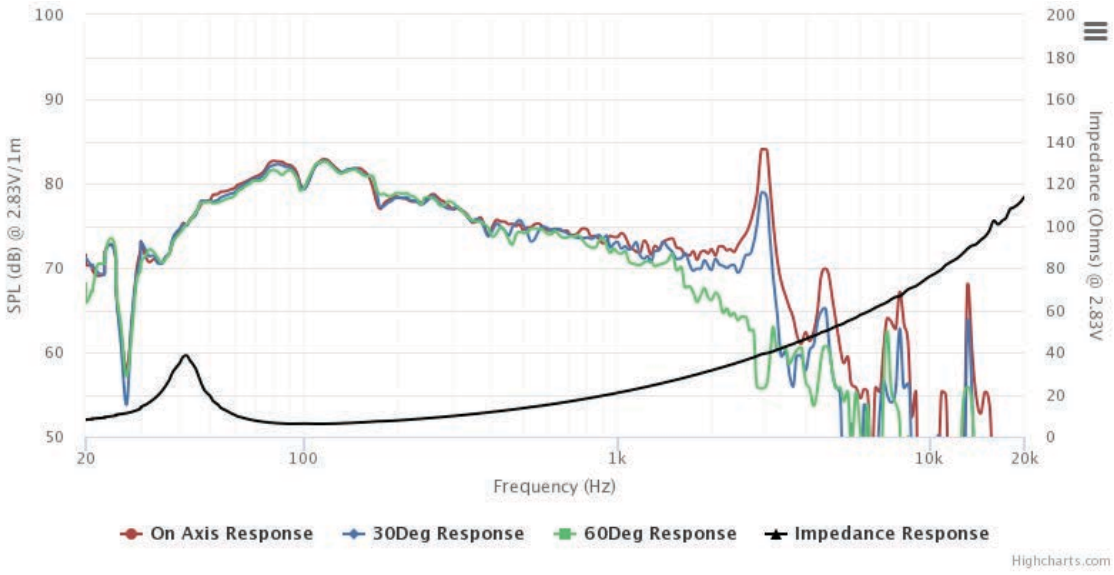
Mechanical Drawing



Specifications

DC Resistance	Revc	Ohms	4.1	5.0%	Energy Bandwidth Product	EBP	(1/Qes)*fs	
Minimum Impedance	Zmin	Ohms	6.1	7.5%	Moving Mass	Mms	g	46.4
Voice Coil Inductance	Le	mH	0.91		Suspension Compliance	Cms	um/N	256.2
Resonant Frequency	Fs	Hz	46.15	15%	Effective Cone diameter	D	cm	12.6
Mechanical Q Factor	Qms		5.6		Effective Piston Area	Sd	cm^2	124.7
Electrical Q Factor	Qes	0.67			Effective Volume	Vas	L	5.59
Total Q Factor	Qts		0.6		Motor Force Factor	BL	Tm	9.05
Ratio Fs/Qts	F	Fs/Qts	76.66		Motor Efficiency Factor	ß	(T*M^2)/Ohms	20
Half Space Sensitivity @2.83V	db@2.83V/1M	dB	82.36	+/- 1.0db	Voice coil former Material	VCfm		ASV
Half Space Sensitivity @1W/1M	db@1W/1M	dB	81.2	+/- 1.0db	Voice coil inner diameter	VCd	mm	35.55
Gap Height	Gh	mm	6		Rated Noise Power	P	W	150
Maximum Linear Excursion	Xmax	mm	8.5		Test Spectrum Bandwidth	40Hz-500Hz		
Ferrofluid Type	FF				Driver Size	Inch	6 in	
Driver Mass	Kg	1.74						

Frequency and Impedance Response



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