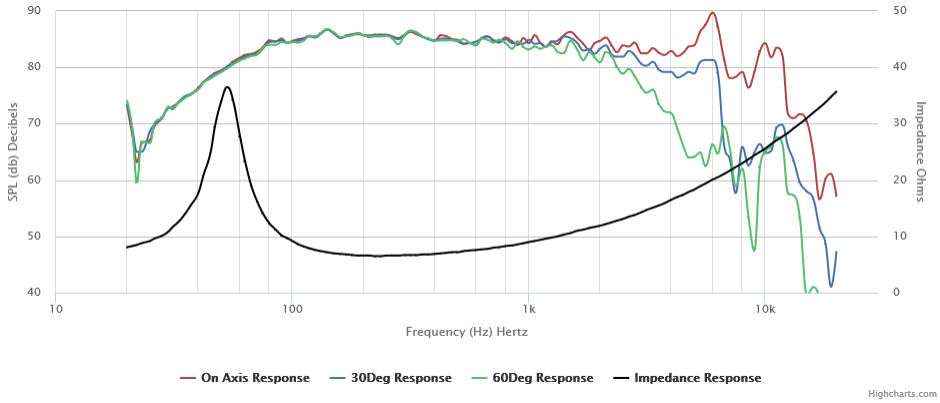
Woofer

The SDS compact subwoofer family offers low resonant frequency performance, ideally suited for compact sealed enclosures. This 5.25 inch 8 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.

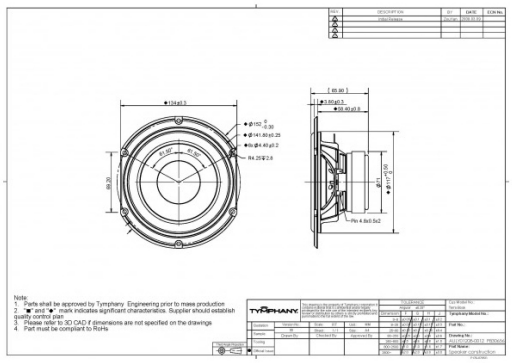
SDS-P830656

SPECIFICATIONS								
DC Resistance	Revc	Ω	6.06	±5.0%	Moving Mass	Mms	g	9.3
Minimum Impedance	Zmin	Ω	6.54	±7.5%	Suspension Compliance	Cms	um/N	833.2
Voice Coil Inductance	Le	mH	0.37	–	Effective Cone Diameter	D	cm	10.5
Resonant Frequency	fs	Hz	57.23	15%	Effective Piston Area	Sd	cm2	86.6
Mechanical Q Factor	Qms	–	3.6	–	Equivalent Volume	Vas	L	8.77
Electrical Q Factor	Qes	–	0.7	–	Motor Force Factor	BL	T•m	5.36
Total Q Factor	Qts	–	0.59	–	Motor Efficiency Factor	β	(T•m2)/Ω	4.7
Ratio	fs/Qts	–	97.33	–	Voice Coil Former Material	VCfm	–	ASV
Half Space Sensitivity	dB@2.83V/1m	dB	85.7	±1.01	Voice Coil Inner Diameter	VCd	mm	25.73
Sensitivity	1W/1m	dB	84.8	±1.01	Gap Height	Gh	mm	6
Rated Noise Power (IEC 2685 18.1)	P	W	60	–	Maximum Linear Excursion	Xmax	mm	3.5
Test Spectrum Bandwidth	1300 Hz - 20k Hz	12 dB/Oct	50Hz - 5kHz	–	Ferrofluid Type	FF	–	
Energy Bandwidth Product	EBP	(1/Qes)•fs		–	Transducer Size	–	–	5.25in
				–	Transducer Mass	–	Kg	0.68

FREQUENCY & IMPEDANCE RESPONSE



MECHANICAL 2D DRAWING



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