

## Woofer

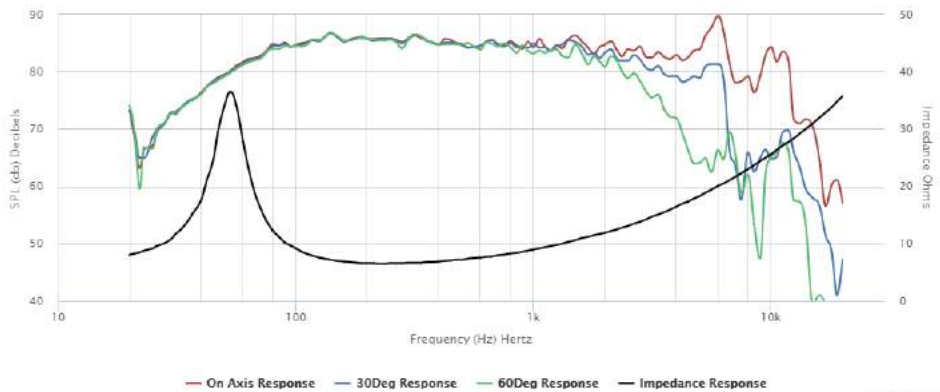
The SDS compact subwoofer family offers low resonant frequency performance, ideally suited for compact sealed enclosures. This 5.25 inch 8 ohm member of the SDS family offer a coated paper cone with rubber surround, a high power voice coil suspended in a ferrite magnet motor, and a narrow-profile steel 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	cm <sup>2</sup>	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•m <sup>2</sup> )/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	VCdi	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	-	Ferofluid Type	FF	-	-
Energy Bandwidth Product	EBP	(1/Qes)•fs	-	-	Transducer Size	-	-	5.25in
					Transducer Mass	-	Kg	0.68

### FREQUENCY & IMPEDANCE RESPONSE



### MECHANICAL 2D DRAWING

