

Model No.: SLS-P830669  
 Product Line: Peerless

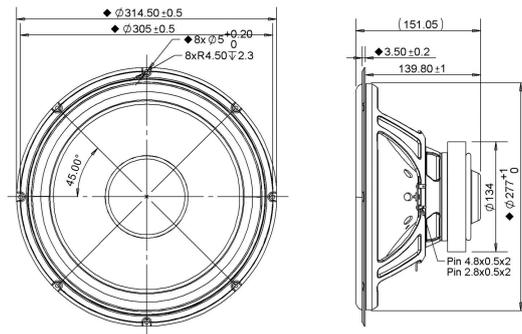
Rev: 1  
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## Product Description

The SLS line combines high quality performance with an affordable design. This 12 inch 8 ohm member of the SLS family features a rigid steel basket, a coated paper cone, and a ferrite magnet motor with aluminium shorting ring for improved distortion performance.



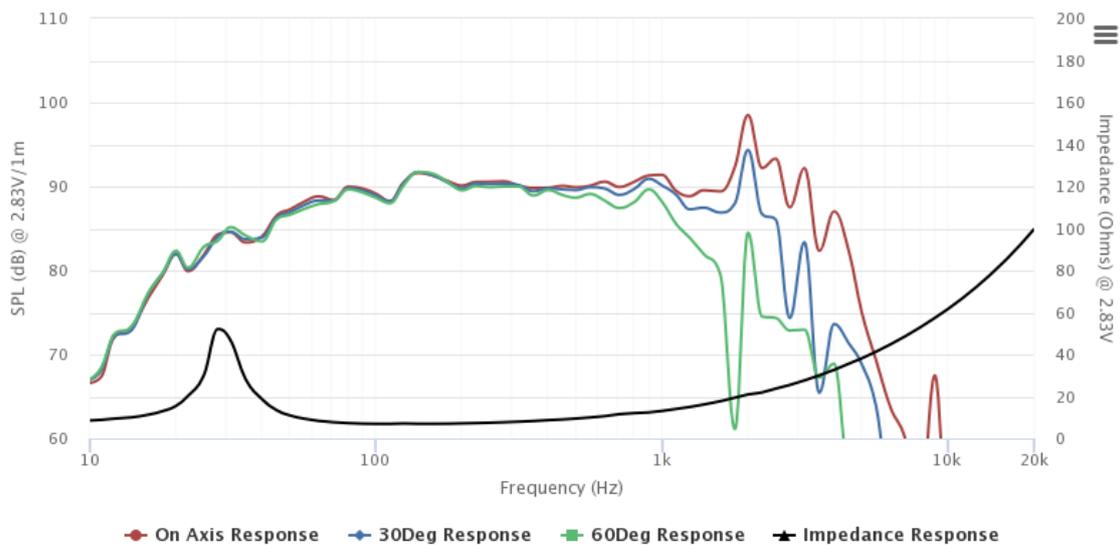
## Mechanical Drawing



## Specifications

DC Resistance	Revc	Ohms	5.6	5.0%	Energy Bandwidth Product	EBP	(1/Qes)*fs	
Minimum Impedance	Zmin	Ohms	6.95	7.5%	Moving Mass	Mms	g	74.1
Voice Coil Inductance	Le	mH	1.12		Suspension Compliance	Cms	um/N	345
Resonant Frequency	Fs	Hz	31.48	15%	Effective Cone diameter	D	cm	25.8
Mechanical Q Factor	Qms		7.07		Effective Piston Area	Sd	cm <sup>2</sup>	522.8
Electrical Q Factor	Qes		0.58		Effective Volume	Vas	L	132.42
Total Q Factor	Qts		0.54		Motor Force Factor	BL	Tm	11.88
Ratio Fs/Qts	F	Fs/Qts	58.51		Motor Efficiency Factor	$\beta$	(T*M <sup>2</sup> )/Ohms	25.2
Half Space Sensitivity @2.83V	db@2.83V/1M	dB	89.85	+/- 1.0db	Voice coil former Material	VCfm		GSV
Half Space Sensitivity @1W/1M	db@1W/1M	dB	89.2	+/- 1.0db	Voice coil inner diameter	VCd	mm	38.44
Gap Height	Gh	mm	8		Rated Noise Power	P	W	100
Maximum Linear Excursion	Xmax	mm	8.3		Test Spectrum Bandwidth		30Hz - 2kHz	
Ferrofluid Type	FF				Driver Size	Inch	12 in	
Driver Mass	Kg		3.24					

## Frequency and Impedance Response



Highcharts.com