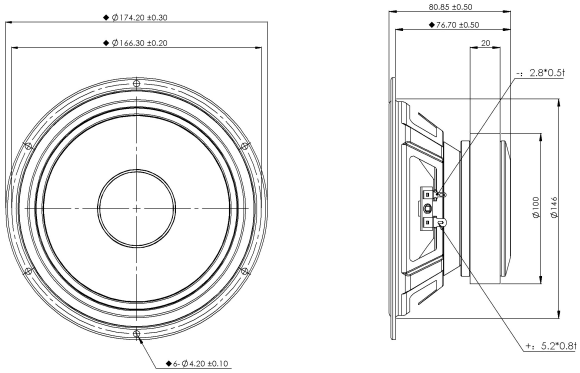
Woofer

This 6.5 inch 8 ohm speaker features a FEA optimized ferrite magnet motor, a 1.5 inch high-temperature voice coil, and a high strength stamped steel frame. The multi-roll surround and spider have been optimized to reduce distortion over the excursion range of this transducer.

FSL-0615R02-08

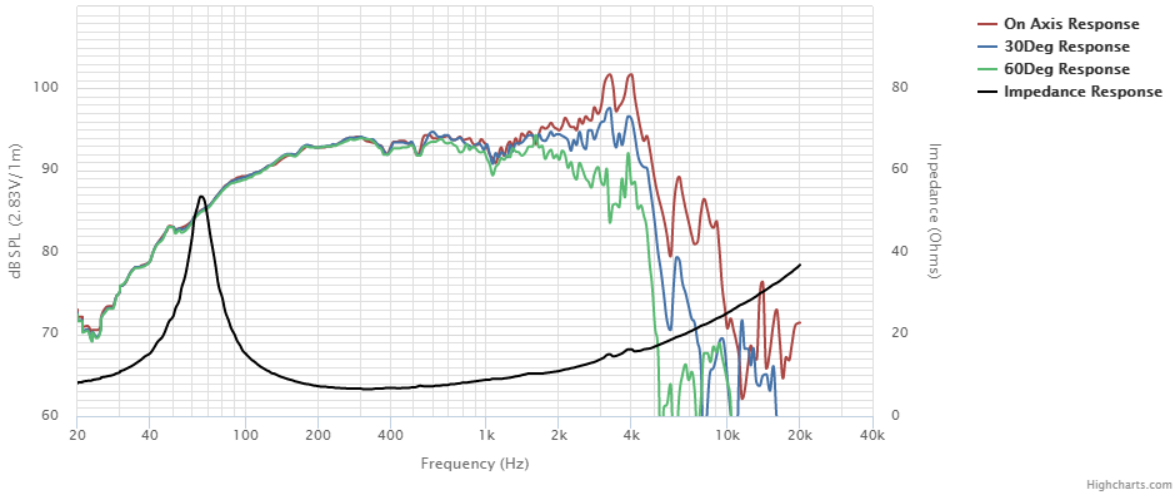
MECHANICAL 2D DRAWING



SPECIFICATIONS

DC Resistance	Revc	Ω	5.14	±5.0%	Moving Mass	Mms	g	9.9
Minimum Impedance	Zmin	Ω	6.64	±7.5%	Suspension Compliance	Cms	um/N	403.3
Voice Coil Inductance	Le	mH	0.34	–	Effective Cone Diameter	D	cm	13.5
Resonant Frequency	fs	Hz	79.8	15%	Effective Piston Area	Sd	cm2	143.1
Mechanical Q Factor	Qms	–	2.59	–	Equivalent Volume	Vas	L	11.61
Electrical Q Factor	Qes	–	0.47	–	Motor Force Factor	BL	T•m	7.37
Total Q Factor	Qts	–	0.4	–	Motor Efficiency Factor	β	(T•m2)/Ω	10.6
Ratio	fs/Qts	–	201.01	–	Voice Coil Former Material	VCfm	–	KSV
Half Space Sensitivity	dB@2.83V/1m	dB	93.55	±1.01	Voice Coil Inner Diameter	VCd	mm	38.44
Sensitivity	1W/1m	dB	92.7	±1.01	Gap Height	Gh	mm	6
Rated Noise Power (IEC 268-5 18.1)	P	W	100	–	Maximum Linear Excursion	Xmax	mm	2.6
Test Spectrum Bandwidth		12 dB/Oct	80Hz-800Hz	–	Ferrofluid Type	FF	–	
Energy Bandwidth Product	EBP	(1/Qes)•fs		–	Transducer Size	–	–	6 in
				–	Transducer Mass	–	Kg	1.48

FREQUENCY & IMPEDANCE RESPONSE



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