

Model No.: FSL-0615R02-08
 Product Line: Tymphany

Rev: 1
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Product Description

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.



Mechanical Drawing



Specifications

DC Resistance	Revc	Ohms	5.14	5.0%	Energy Bandwidth Product	EBP	(1/Qes)*fs	
Minimum Impedance	Zmin	Ohms	6.64	7.5%	Moving Mass	Mms	g	9.9
Voice Coil Inductance	Le	mH	0.34		Suspension Compliance	Cms	um/N	403.3
Resonant Frequency	Fs	Hz	79.8	15%	Effective Cone diameter	D	cm	13.5
Mechanical Q Factor	Qms		2.59		Effective Piston Area	Sd	cm^2	143.1
Electrical Q Factor	Qes	0.47			Effective Volume	Vas	L	11.61
Total Q Factor	Qts	0.4			Motor Force Factor	BL	Tm	7.37
Ratio Fs/Qts	F	Fs/Qts	201.01		Motor Efficiency Factor	β	(T*M^2)/Ohms	10.6
Half Space Sensitivity @2.83V	db@2.83V/1M	dB	93.55	+/- 1.0db	Voice coil former Material	VCfm		KSV
Half Space Sensitivity @1W/1M	db@1W/1M	dB	92.7	+/- 1.0db	Voice coil inner diameter	VCd	mm	38.44
Gap Height	Gh	mm	6		Rated Noise Power	P	W	100
Maximum Linear Excursion	Xmax	mm	2.6		Test Spectrum Bandwidth		80Hz-800Hz	
Ferrofluid Type	FF				Driver Size	Inch	6 in	
Driver Mass	Kg	1.48						

Frequency and Impedance Response

