

Model No.: PLS-75F25AL01-08
 Product Line: Tymphany

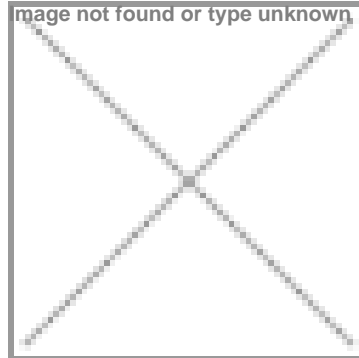
Rev: 1
 Last Update: 2018-04-25 00:34:04

Product Description

This 3 inch 8 ohm member of the PLS family sets a high standard for compact full range drivers intended for applications such as television soundbars and compact music systems. Design features in this family include a stiff steel basket with venting under the spider to aid cooling of the motor, a ferrite magnet motor with copper cap to lower coil inductance, providing low distortion at low frequencies and extended high frequency response. A black anodized aluminium cone is employed, along with a black anodized aluminium dust cap coupled directly to the voice coil. Additionally, the cones come equipped with special-designed large roll rubber surrounds, which allow for a dynamic linear response at high excursion.



Mechanical Drawing



Specifications

DC Resistance	Revc	Ohms	6.21	5.0%	Energy Bandwidth Product	EBP	(1/Qes)*fs	
Minimum Impedance	Zmin	Ohms	7.34	7.5%	Moving Mass	Mms	g	2.6
Voice Coil Inductance	Le	mH	0.05		Suspension Compliance	Cms	um/N	972.6
Resonant Frequency	Fs	Hz	99.51	15%	Effective Cone diameter	D	cm	6.07
Mechanical Q Factor	Qms		5.39		Effective Piston Area	Sd	cm^2	28.9
Electrical Q Factor	Qes	0.76			Effective Volume	Vas	L	1.17
Total Q Factor	Qts	0.67			Motor Force Factor	BL	Tm	3.67
Ratio Fs/Qts	F	Fs/Qts	149.63		Motor Efficiency Factor	β	(T*M^2)/Ohms	2.2
Half Space Sensitivity @2.83V	db@2.83V/1M	dB	84.43	+/- 1.0db	Voice coil former Material	VCfm		ASV
Half Space Sensitivity @1W/1M	db@1W/1M	dB	84.1	+/- 1.0db	Voice coil inner diameter	VCd	mm	25.73
Gap Height	Gh	mm	4		Rated Noise Power	P	W	25
Maximum Linear Excursion	Xmax	mm	2.1		Test Spectrum Bandwidth		100Hz~20KHz	
Ferrofluid Type	FF				Driver Size	Inch	3 in	
Driver Mass	Kg	0.38						

Frequency and Impedance Response

