Driver Specification Sheet

Peerless by TYMPHANY

Model No:: DFL-2525R00-08
Product Line: Tymphany

Rev: 1
Last Update: 2018-01-30 00:23:37

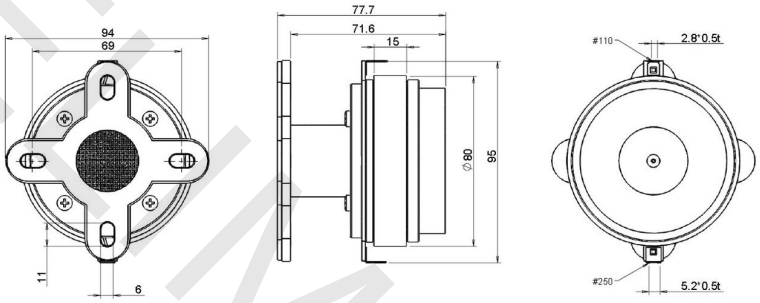
Product Description

This 1inch diaphragm inch exit compression driver is a cost effective solution for use in professional sound reinforcement systems. The pure titanium diaphragm ensures solid and controlled vibration to the highest frequencies. The phase plug was studied extensively to optimize the HF level, and ensures a wide smooth response characteristic. The use of high quality ferrofluid combined with extensive verification testing has resulted in a transducer which is extremely reliable.



PRELIMINARY

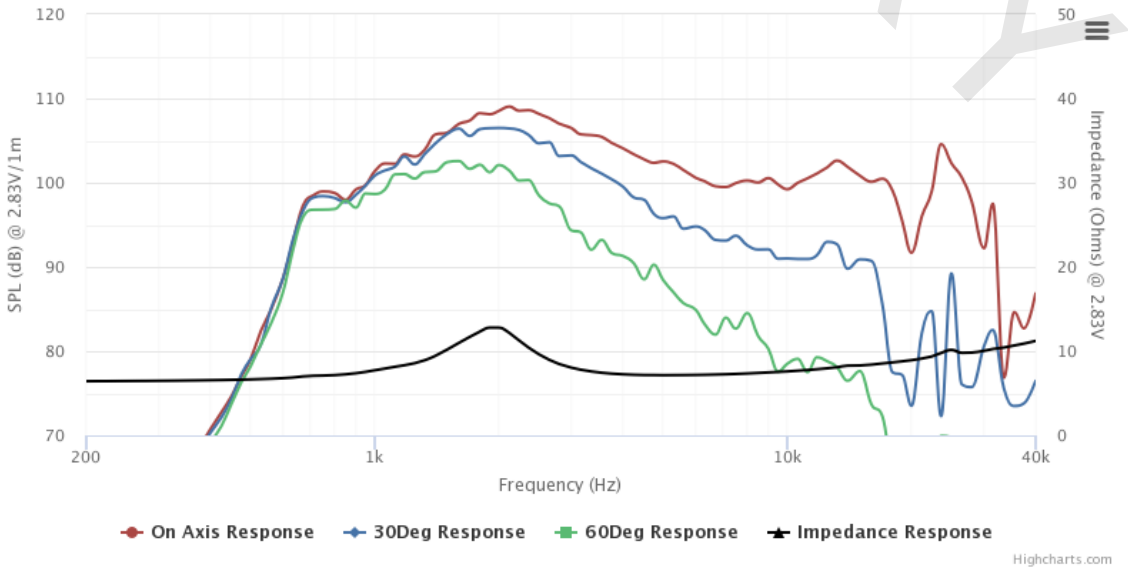
Mechanical Drawing



Specifications

DC Resistance	Revc	Ohms	6.43	5.0%	Energy Bandwidth Product	EBP	(1/Qes)*fs	
Minimum Impedance	Zmin	Ohms	7.15	7.5%	Moving Mass	Mms	g	0.3
Voice Coil Inductance	Le	mH	0.03		Suspension Compliance	Cms	um/N	23.6
Resonant Frequency	Fs	Hz	1859.69	15%	Effective Cone diameter	D	cm	3
Mechanical Q Factor	Qms		2.88		Effective Piston Area	Sd	cm^2	7.1
Electrical Q Factor	Qes	1.68			Effective Volume	Vas	L	0
Total Q Factor	Qts		1.06		Motor Force Factor	BL	Tm	3.73
Ratio Fs/Qts	F	Fs/Qts	1752.77		Motor Efficiency Factor	ß	(T*M^2)/Ohms	2.2
Half Space Sensitivity @2.83V	db@2.83V/1M	dB	102.28	+/- 1.0db	Voice coil former Material	VCfm		Kapton
Half Space Sensitivity @1W/1M	db@1W/1M	dB	101.8	+/- 1.0db	Voice coil inner diameter	VCd	mm	25.4
Gap Height	Gh	mm	4		Rated Noise Power	P	W	30
Maximum Linear Excursion	Xmax	mm	1.4		Test Spectrum Bandwidth	3k Hz~20k Hz		
Ferrofluid Type	FF		APGL11		Driver Size	Inch	1 in	
Driver Mass	Kg	0.96						

Frequency and Impedance Response



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