Driver Specification Sheet

Peerless by TYMPHANY

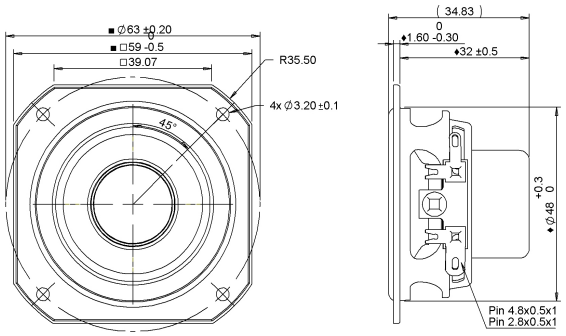
Model No: TA6FC00-08
Product Line: Tymphany

Rev: 1
Last Update: 2017-04-21 12:39:42

Product Description

This 2 inch 8 ohm member of the new TA family sets a high standard for compact full range drivers. Intended for applications such as television soundbars and other compact applications in mind. Design features in this family include a stiff steel basket with venting under the spider to aid cooling of the motor, a neodymium 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 and a black anodized aluminium dust cap are employed on the driver, coupled directly to the voice coil.

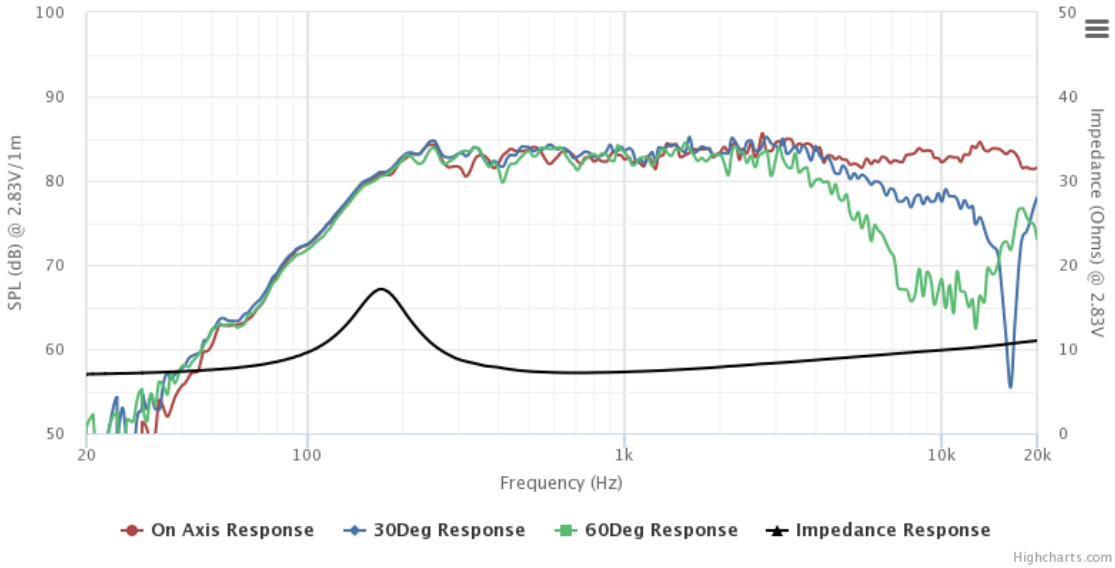
Mechanical Drawing



Specifications

DC Resistance	Revc	Ohms	6.38	5.0%	Energy Bandwidth Product	EBP	(1/Qes)*fs	
Minimum Impedance	Zmin	Ohms	7.19	7.5%	Moving Mass	Mms	g	1.7
Voice Coil Inductance	Le	mH	0.04		Suspension Compliance	Cms	um/N	474.6
Resonant Frequency	Fs	Hz	179.65	15%	Effective Cone diameter	D	cm	4.4
Mechanical Q Factor	Qms		2.82		Effective Piston Area	Sd	cm^2	15.2
Electrical Q Factor	Qes	1.34			Effective Volume	Vas	L	0.15
Total Q Factor	Qts		0.91		Motor Force Factor	BL	Tm	2.98
Ratio Fs/Qts	F	Fs/Qts	197.86		Motor Efficiency Factor	ß	(T*M^2)/Ohms	1.4
Half Space Sensitivity @2.83V	db@2.83V/1M	dB	82.68	+/- 1.0db	Voice coil former Material	VCfm		ASV
Half Space Sensitivity @1W/1M	db@1W/1M	dB	82.2	+/- 1.0db	Voice coil inner diameter	VCd	mm	19.32
Gap Height	Gh	mm	3		Rated Noise Power	P	W	10
Maximum Linear Excursion	Xmax	mm	1.1		Test Spectrum Bandwidth	100hz-20Khz		
Ferrofluid Type	FF				Driver Size	Inch	2 in	
Driver Mass	Kg	0.08						

Frequency and Impedance Response



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