

Model No.: TC5FC07-04

Product Line: Tymphany

Rev: 1

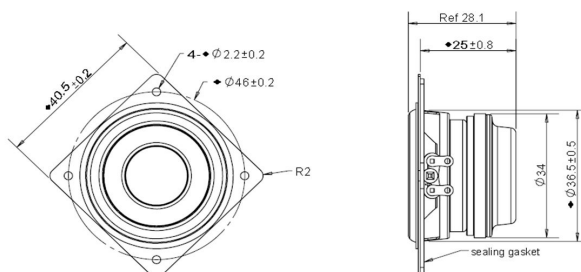
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Product Description

This TC family 1.5 inch 4 ohm full-range driver, with NdFeB magnet, paper cone and PU surround, and steel basket, is designed to be a high performance full range driver. The product was designed with television and other compact applications in mind.



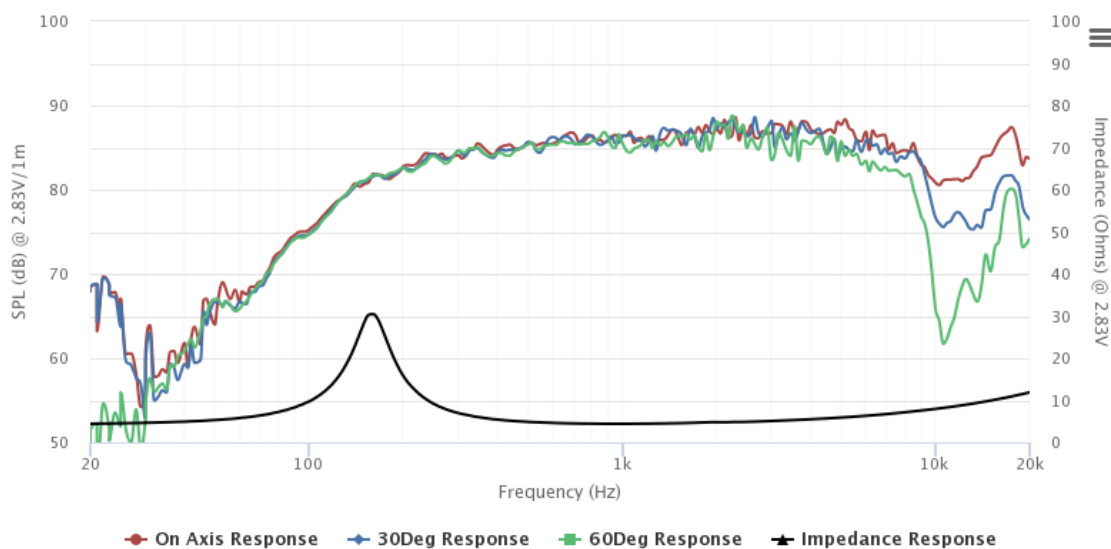
Mechanical Drawing



Specifications

DC Resistance	Revc	Ohms	3.52	5.0%	Energy Bandwidth Product	EBP	$(1/Qes) \cdot fs$
Minimum Impedance	Zmin	Ohms	4.41	7.5%	Moving Mass	Mms	g
Voice Coil Inductance	Le	mH	0.08		Suspension Compliance	Cms	um/N
Resonant Frequency	Fs	Hz	145.74	15%	Effective Cone diameter	D	cm
Mechanical Q Factor	Qms		4.41		Effective Piston Area	Sd	cm ²
Electrical Q Factor	Qes	0.51			Effective Volume	Vas	L
Total Q Factor	Qts	0.46			Motor Force Factor	BL	Tm
Ratio Fs/Qts	F	Fs/Qts	318.21		Motor Efficiency Factor	β	$(T \cdot M^2) / \text{Ohms}$
Half Space Sensitivity @2.83V	db@2.83V/1M	dB	86.22	+/- 1.0db	Voice coil former Material	VCfm	KSV
Half Space Sensitivity @1W/1M	db@1W/1M	dB	83.6	+/- 1.0db	Voice coil inner diameter	VCd	mm
Gap Height	Gh	mm	2		Rated Noise Power	P	W
Maximum Linear Excursion	Xmax	mm	2		Test Spectrum Bandwidth		200-20KHz
Ferrofluid Type	FF				Driver Size	Inch	1.5 in
Driver Mass	Kg	0.08					

Frequency and Impedance Response



Highcharts.com