

Model No:: TC5FC02-04

Product Line: Tympany

Rev: 1

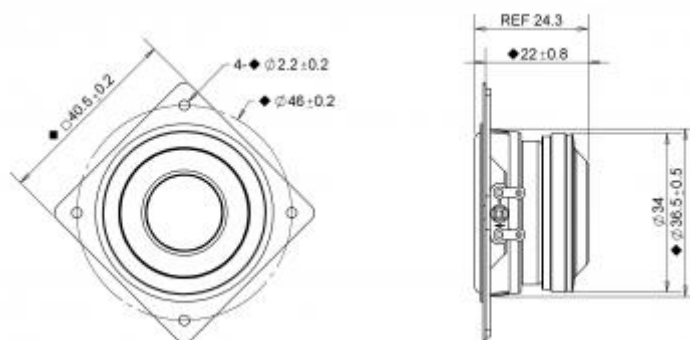
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## Product Description

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.



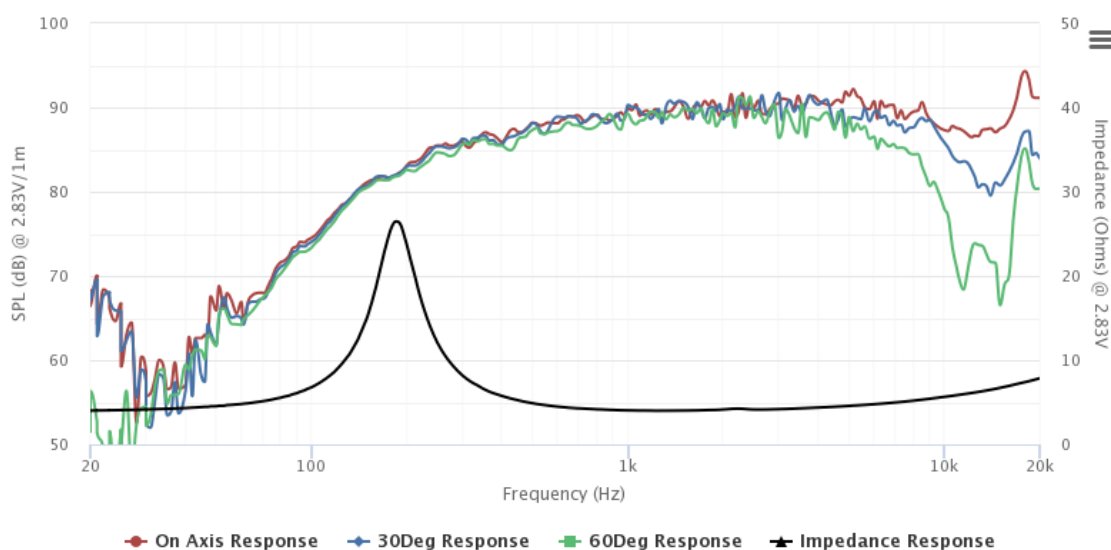
## Mechanical Drawing



## Specifications

DC Resistance	Revc	Ohms	3.03	5.0%	Energy Bandwidth Product	EBP	(1/Qes)*fs	
Minimum Impedance	Zmin	Ohms	4	7.5%	Moving Mass	Mms	g	0.5
Voice Coil Inductance	Le	mH	0.03		Suspension Compliance	Cms	um/N	1199.4
Resonant Frequency	Fs	Hz	203.04	15%	Effective Cone diameter	D	cm	3.15
Mechanical Q Factor	Qms		3.94		Effective Piston Area	Sd	cm^2	7.8
Electrical Q Factor	Qes	0.5			Effective Volume	Vas	L	0.1
Total Q Factor	Qts		0.45		Motor Force Factor	BL	Tm	1.99
Ratio Fs/Qts	F	Fs/Qts	456.26		Motor Efficiency Factor	$\beta$	(T*M^2)/Ohms	1.3
Half Space Sensitivity @2.83V	db@2.83V/1M	dB	89.33	+/- 1.0db	Voice coil former Material	VCfm		KSV
Half Space Sensitivity @1W/1M	db@1W/1M	dB	86.3	+/- 1.0db	Voice coil inner diameter	VCd	mm	16.28
Gap Height	Gh	mm	2		Rated Noise Power	P	W	5
Maximum Linear Excursion	Xmax	mm	0.5		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