# **Driver Specification Sheet**

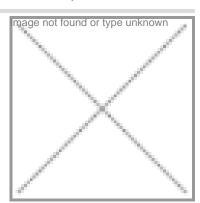
Rev:

Model No:: TC5FB00-04

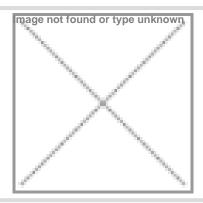
Product Line: Tymphany Last Update: 2018-06-13 07:11:41

#### **Product Description**

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



### **Mechanical Drawing**



### **Specifications**

DC Resistance	Revc	Ohms	3.58	5.0%	Energy Bandwidth Product	EBP	(1/Qes)*fs	
Minimum Impedance	Zmin	Ohms	3.94	7.5%	Moving Mass	Mms	g	0.5
Voice Coil Inductance	Le	mΗ	0.04		Suspension Compliance	Cms	um/N	1004.2
Resonant Frequency	Fs	Hz	234.82	15%	Effective Cone diameter	D	cm	3.15
Mechanical Q Factor	Qms		4.71		Effective Piston Area	Sd	cm^2	7.8
Electrical Q Factor	Qes	2.64			Effective Volume	Vas	L	0.09
Total Q Factor	Qts		1.69		Motor Force Factor	BL	Tm	0.96
Ratio Fs/Qts	F	Fs/Qts	138.87		Motor Efficiency Factor	ß	(T*M^2)/Ohms	0.3
Half Space Sensitivity @2.83V	db@2.83V/1M	dB	83.22	+/- 1.0db	Voice coil former Material	VCfm		ASV
Half Space Sensitivity @1W/1M	db@1W/1M	dB	80.1	+/- 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	0.6		Test Spectrum Bandwidth	250Hz-20KHz		
Ferrofluid Type	FF				Driver Size	Inch	1.5 in	
Driver Mass	Kg	0.07						

## **Frequency and Impedance Response**

