

Model No.: TC55FD00-08
 Product Line: Tymphany

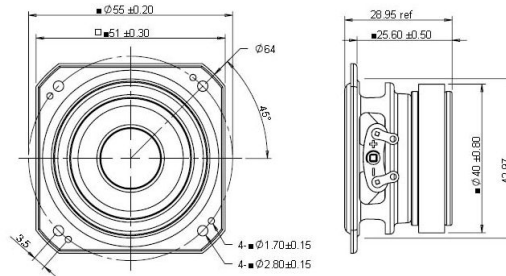
Rev: 1
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Product Description

This TC family 1.75 inch 8 ohm full-range driver, with paper cone and PU surround, steel basket, and ferrite magnet motor with a copper cap to lower inductance and distortion, is designed to be a cost-effective high performance full range driver. The product was designed with portable and other compact applications in mind.



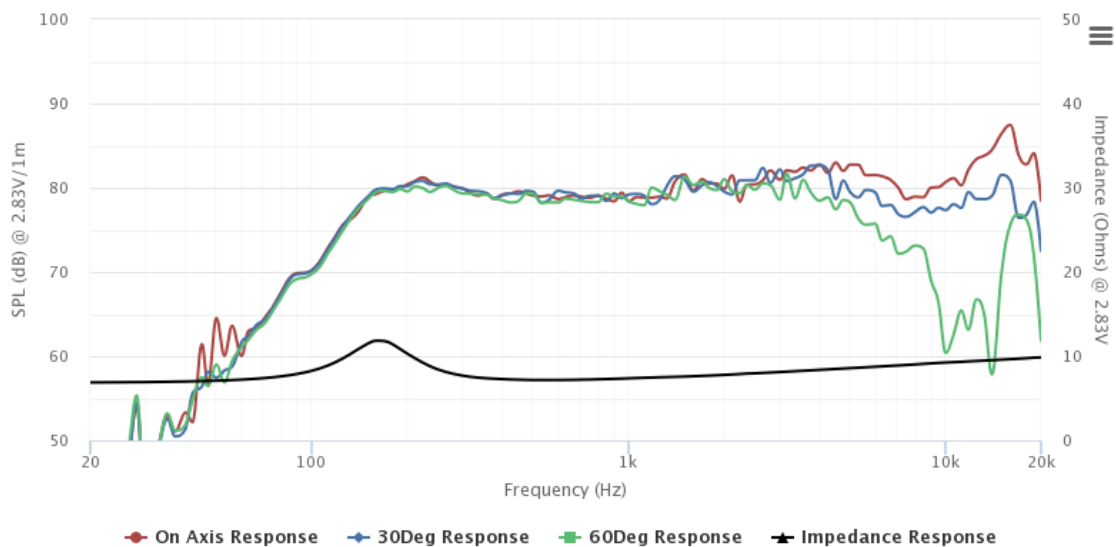
Mechanical Drawing



Specifications

DC Resistance	Revc	Ohms	6.7	5.0%	Energy Bandwidth Product	EBP	$(1/Qes) \cdot fs$
Minimum Impedance	Zmin	Ohms	7.17	7.5%	Moving Mass	Mms	g
Voice Coil Inductance	Le	mH	0.04		Suspension Compliance	Cms	um/N
Resonant Frequency	Fs	Hz	178.38	15%	Effective Cone diameter	D	cm
Mechanical Q Factor	Qms		2.27		Effective Piston Area	Sd	cm ²
Electrical Q Factor	Qes		2.43		Effective Volume	Vas	L
Total Q Factor	Qts		1.17		Motor Force Factor	BL	Tm
Ratio Fs/Qts	F	Fs/Qts	152.07		Motor Efficiency Factor	β	$(T \cdot M^2) / \text{Ohms}$
Half Space Sensitivity @2.83V	db@2.83V/1M	dB	79.19	+/- 1.0db	Voice coil former Material	VCfm	Kapton
Half Space Sensitivity @1W/1M	db@1W/1M	dB	78.7	+/- 1.0db	Voice coil inner diameter	Vcd	mm
Gap Height	Gh	mm	2		Rated Noise Power	P	W
Maximum Linear Excursion	Xmax	mm	1.4		Test Spectrum Bandwidth		200Hz-20KHz
Ferrofluid Type	FF				Driver Size	Inch	1.75 in
Driver Mass	Kg		0.09				

Frequency and Impedance Response



Highcharts.com