

Model No.: XT25TG30-04
 Product Line: Tymphany

Rev: 1
 Last Update: 2017-04-25 21:32:09

Product Description

This member of the XT tweeter family utilizes two Tymphany technologies to deliver exceptional sound quality: the ring radiator patent, and the central waveguide patent. This model features a 4 ohm 25mm voice coil, mounted in a ferrite magnet motor. The tweeter also features a rear chamber to create extended low frequency response. The faceplate features recessed mounting holes which minimizes reflections off of mounting screws.



Mechanical Drawing



Specifications

DC Resistance	Revc	Ohms	3	5.0%	Energy Bandwidth Product	EBP	(1/Qes)*fs	
Minimum Impedance	Zmin	Ohms	3.47	7.5%	Moving Mass	Mms	g	0.4
Voice Coil Inductance	Le	mH	0.01		Suspension Compliance	Cms	um/N	366.5
Resonant Frequency	Fs	Hz	436.13	15%	Effective Cone diameter	D	cm	3.24
Mechanical Q Factor	Qms		2.5		Effective Piston Area	Sd	cm^2	8.2
Electrical Q Factor	Qes	0.54			Effective Volume	Vas	L	0.04
Total Q Factor	Qts	0.44			Motor Force Factor	BL	Tm	2.36
Ratio Fs/Qts	F	Fs/Qts	988.97		Motor Efficiency Factor	β	(T*M^2)/Ohms	1.9
Half Space Sensitivity @2.83V	db@2.83V/1M	dB	90.84	+/- 1.0db	Voice coil former Material	VCfm		ASV
Half Space Sensitivity @1W/1M	db@1W/1M	dB	87.2	+/- 1.0db	Voice coil inner diameter	VCd	mm	25.76
Gap Height	Gh	mm	3		Rated Noise Power	P	W	110
Maximum Linear Excursion	Xmax	mm	0.5		Test Spectrum Bandwidth		400hz - 20khz	
Ferrofluid Type	FF				Driver Size	Inch	25 mm	
Driver Mass	Kg	0.5						

Frequency and Impedance Response

