

Model No.: OC16SC04-04  
 Product Line: Tymphany

Rev: 1  
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## Product Description

This OC family tweeter features a 16 mm 4 ohm voice coil, a damped fabric dome for smooth frequency response performance, and ferrofluid in the gap of the neodymium magnet motor, providing enhanced cooling of the voice coil. The tweeters butterfly comes with 2 mounting holes and with 2 pin terminals. The product is designed to fit snugly into small applications, while providing excellent dynamic sound quality.



## Mechanical Drawing



## Specifications

DC Resistance	Revc	Ohms	3.93	5.0%	Energy Bandwidth Product	EBP	(1/Qes)*fs	
Minimum Impedance	Zmin	Ohms	4.18	7.5%	Moving Mass	Mms	g	0.2
Voice Coil Inductance	Le	mH	0.02		Suspension Compliance	Cms	um/N	26.9
Resonant Frequency	Fs	Hz	2152.63	15%	Effective Cone diameter	D	cm	2
Mechanical Q Factor	Qms		2.94		Effective Piston Area	Sd	cm^2	3.1
Electrical Q Factor	Qes		4.19		Effective Volume	Vas	L	0
Total Q Factor	Qts		1.73		Motor Force Factor	BL	Tm	1.61
Ratio Fs/Qts	F	Fs/Qts	1245.73		Motor Efficiency Factor	β	(T*M^2)/Ohms	0.7
Half Space Sensitivity @2.83V	db@2.83V/1M	dB	86.53	+/- 1.0db	Voice coil former Material	VCfm		ASV
Half Space Sensitivity @1W/1M	db@1W/1M	dB	83.7	+/- 1.0db	Voice coil inner diameter	VCd	mm	16.36
Gap Height	Gh	mm	2		Rated Noise Power	P	W	100
Maximum Linear Excursion	Xmax	mm	0		Test Spectrum Bandwidth		2.5K-20K Hz	
Ferrofluid Type	FF		APG O27N		Driver Size		Inch	16 mm
Driver Mass	Kg		0.02					

## Frequency and Impedance Response

