

Model No.: OX20SC02-08
 Product Line: Tymphany

Rev: 1
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Product Description

This OX family tweeter features a 19 mm 8 ohm voice coil, a damped silk diaphragm with large surround roll, a neodymium magnet motor to produce a compact motor, and a plastic rear chamber to provide a lower resonant frequency. The product is designed to fit snugly into small applications, while providing excellent dynamic sound quality.



Mechanical Drawing



Specifications

DC Resistance	Revc	Ohms	7.39	5.0%	Energy Bandwidth Product	EBP	(1/Qes)*fs	
Minimum Impedance	Zmin	Ohms	7.7	7.5%	Moving Mass	Mms	g	0.2
Voice Coil Inductance	Le	mH	0.01		Suspension Compliance	Cms	um/N	94.7
Resonant Frequency	Fs	Hz	1139.12	15%	Effective Cone diameter	D	cm	2.5
Mechanical Q Factor	Qms		11.45		Effective Piston Area	Sd	cm^2	4.9
Electrical Q Factor	Qes	2.31			Effective Volume	Vas	L	0
Total Q Factor	Qts	1.93			Motor Force Factor	BL	Tm	2.17
Ratio Fs/Qts	F	Fs/Qts	591.75		Motor Efficiency Factor	β	(T*M^2)/Ohms	0.6
Half Space Sensitivity @2.83V	db@2.83V/1M	dB	88.11	+/- 1.0db	Voice coil former Material	VCfm		ASV
Half Space Sensitivity @1W/1M	db@1W/1M	dB	87.9	+/- 1.0db	Voice coil inner diameter	VCd	mm	19.3
Gap Height	Gh	mm	1.6		Rated Noise Power	P	W	80
Maximum Linear Excursion	Xmax	mm	0.2		Test Spectrum Bandwidth		2.5KHz-20KHz	
Ferrofluid Type	FF				Driver Size	Inch	19 mm	
Driver Mass	Kg	0.04						

Frequency and Impedance Response

