

Model No:: BC25SC08-08  
Product Line: Tymphany

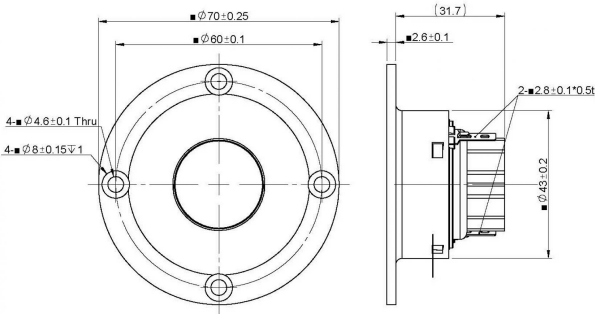
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Product Description

This BC family tweeter features a 8 ohm 25 mm voice coil, a damped fabric dome for smooth frequency response performance, a bucking magnet for higher sensitivities, and ferrofluid in the gap of the NdFeB motor, providing enhanced cooling of the voice coil. The tweeter comes with a bucking magnet and a compact faceplate with recessed mounting holes, greatly increasing the sensitivity of the tweeter.A finned heat sink has been added for improved power handling.



Mechanical Drawing



Specifications

DC Resistance	Revc	Ohms	6.57	5.0%	Energy Bandwidth Product	EBP	(1/Qes)*fs	
Minimum Impedance	Zmin	Ohms	8.2	7.5%	Moving Mass	Mms	g	0.2
Voice Coil Inductance	Le	mH	0.03		Suspension Compliance	Cms	um/N	41
Resonant Frequency	Fs	Hz	1731.62	15%	Effective Cone diameter	D	cm	2.55
Mechanical Q Factor	Qms		4.23		Effective Piston Area	Sd	cm^2	5.1
Electrical Q Factor	Qes	1.83			Effective Volume	Vas	L	0
Total Q Factor	Qts		1.28		Motor Force Factor	BL	Tm	2.84
Ratio Fs/Qts	F	Fs/Qts	1353.89		Motor Efficiency Factor	β	(T*M^2)/Ohms	1.2
Half Space Sensitivity @2.83V	db@2.83V/1M	dB	93.99	+/- 1.0db	Voice coil former Material	VCfm		KSV
Half Space Sensitivity @1W/1M	db@1W/1M	dB	94.1	+/- 1.0db	Voice coil inner diameter	VCd	mm	25.4
Gap Height	Gh	mm	2		Rated Noise Power	P	W	100
Maximum Linear Excursion	Xmax	mm	0		Test Spectrum Bandwidth		2.5kHz~20kHz	
Ferrofluid Type	FF		APG O27N		Driver Size	Inch	25 mm	
Driver Mass	Kg	0.08						

Frequency and Impedance Response

