

Model No.: TA6FD00-04
 Product Line: Tymphany

Rev: 1
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Product Description

This 2 inch 4 ohm member of the new TA family sets a high standard for compact full range drivers. Intended for applications such as television soundbars and other compact applications in mind. Design features in this family include a stiff steel basket with venting under the spider to aid cooling of the motor, a ferrite magnet motor with copper cap to lower coil inductance, providing low distortion at low frequencies and extended high frequency response. A black anodized aluminium cone and a black anodized aluminium dust cap are employed on the driver, coupled directly to the voice coil.



Mechanical Drawing



Specifications

DC Resistance	Revc	Ohms	3.47	5.0%	Energy Bandwidth Product	EBP	(1/Qes)*fs	
Minimum Impedance	Zmin	Ohms	3.99	7.5%	Moving Mass	Mms	g	1.4
Voice Coil Inductance	Le	mH	0.02		Suspension Compliance	Cms	um/N	822.1
Resonant Frequency	Fs	Hz	146.6	15%	Effective Cone diameter	D	cm	4.4
Mechanical Q Factor	Qms		3.78		Effective Piston Area	Sd	cm^2	15.2
Electrical Q Factor	Qes	1.24			Effective Volume	Vas	L	0.27
Total Q Factor	Qts	0.93			Motor Force Factor	BL	Tm	1.93
Ratio Fs/Qts	F	Fs/Qts	157.3		Motor Efficiency Factor	β	(T*M^2)/Ohms	1.1
Half Space Sensitivity @2.83V	db@2.83V/1M	dB	84.08	+/- 1.0db	Voice coil former Material	VCfm		ASV
Half Space Sensitivity @1W/1M	db@1W/1M	dB	81.1	+/- 1.0db	Voice coil inner diameter	VCd	mm	19.32
Gap Height	Gh	mm	3		Rated Noise Power	P	W	10
Maximum Linear Excursion	Xmax	mm	1		Test Spectrum Bandwidth		100Hz-20KHz	
Ferrofluid Type	FF				Driver Size	Inch	2 in	
Driver Mass	Kg	0.17						

Frequency and Impedance Response

