

Model No.: PMT-30N18AL04-04

Rev: 1

Product Line: Tymphany

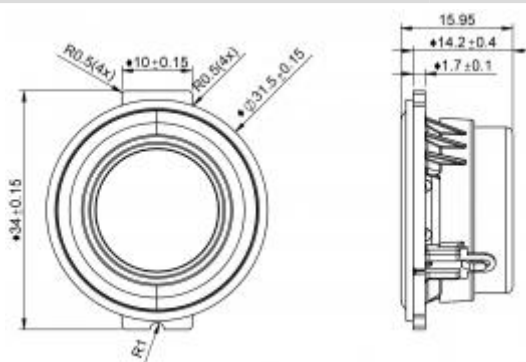
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Product Description

This 30 mm 4 ohm compact premium micro transducer is designed for computer, television array, and similar applications. It features a neodymium magnet, a light aluminium cone, and a high-temperature polycarbonate frame. The PMT family's transducers feature low resonant frequencies, low THD and a full range bandwidth.



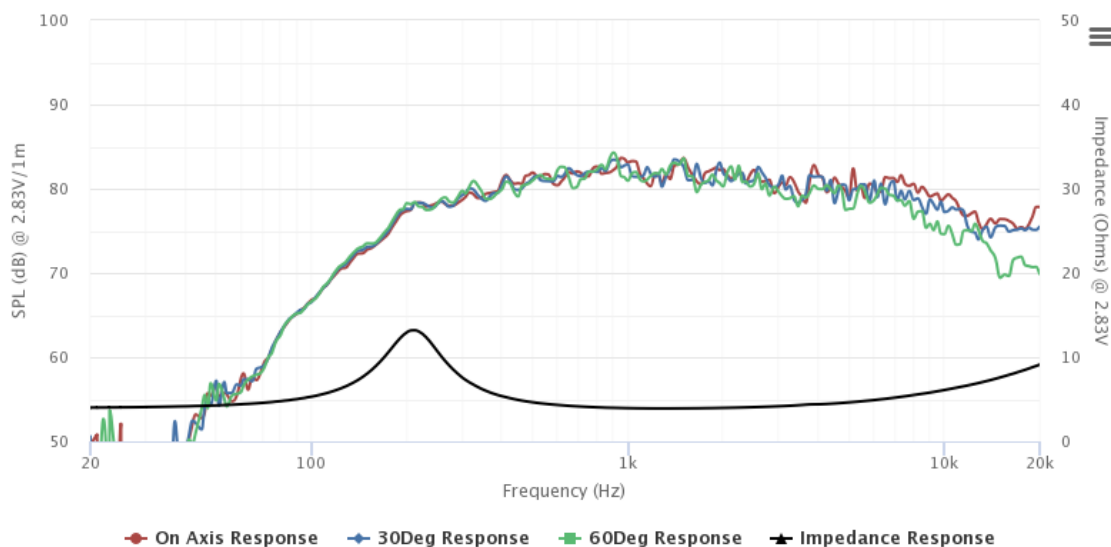
Mechanical Drawing



Specifications

DC Resistance	Revc	Ohms	3.53	5.0%	Energy Bandwidth Product	EBP	(1/Qes)*fs	
Minimum Impedance	Zmin	Ohms	3.91	7.5%	Moving Mass	Mms	g	0.5
Voice Coil Inductance	Le	mH	0.04		Suspension Compliance	Cms	um/N	802.3
Resonant Frequency	Fs	Hz	249.75	15%	Effective Cone diameter	D	cm	2.49
Mechanical Q Factor	Qms		1.71		Effective Piston Area	Sd	cm^2	4.9
Electrical Q Factor	Qes	0.95			Effective Volume	Vas	L	0.03
Total Q Factor	Qts		0.61		Motor Force Factor	BL	Tm	1.72
Ratio Fs/Qts	F	Fs/Qts	408.76		Motor Efficiency Factor	β	(T*M^2)/Ohms	0.8
Half Space Sensitivity @2.83V	db@2.83V/1M	dB	81.58	+/- 1.0db	Voice coil former Material	VCfm		KSV
Half Space Sensitivity @1W/1M	db@1W/1M	dB	78.5	+/- 1.0db	Voice coil inner diameter	VCd	mm	18
Gap Height	Gh	mm	1.5		Rated Noise Power	P	W	1.5
Maximum Linear Excursion	Xmax	mm	1.1		Test Spectrum Bandwidth		250Hz-20KHz	
Ferrofluid Type	FF		APG834		Driver Size	Inch	30 mm	
Driver Mass	Kg	0.03						

Frequency and Impedance Response



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