

Model No.: PMT-30N18AL03-04

Rev: 1

Product Line: Tymphany

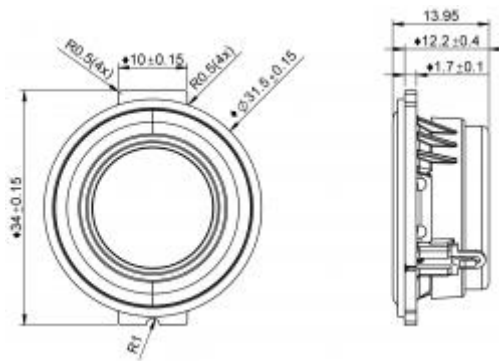
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Product Description

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.



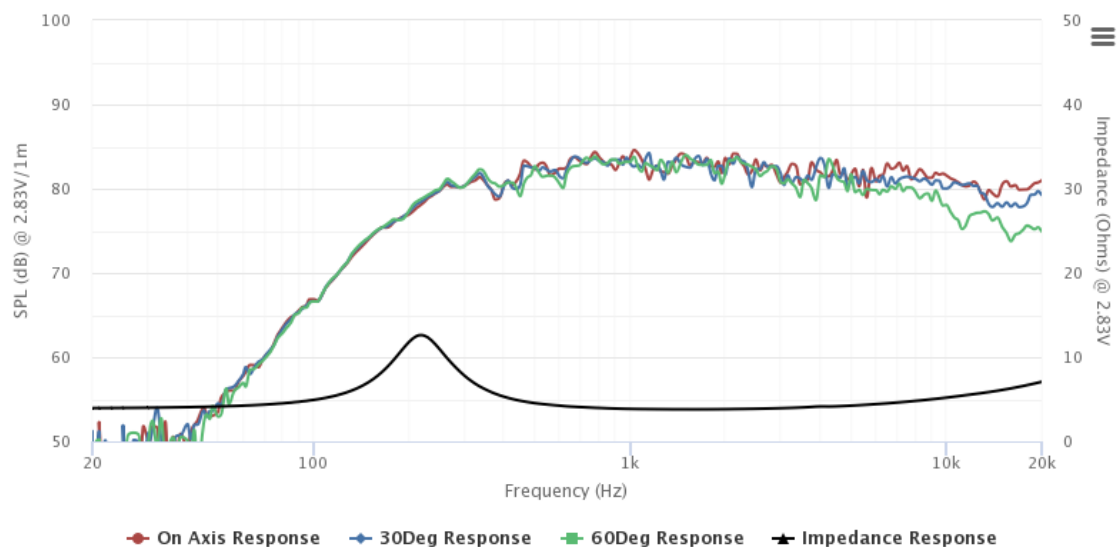
Mechanical Drawing



Specifications

DC Resistance	Revc	Ohms	3.55	5.0%	Energy Bandwidth Product	EBP	(1/Qes)*fs
Minimum Impedance	Zmin	Ohms	3.81	7.5%	Moving Mass	Mms	g
Voice Coil Inductance	Le	mH	0.06		Suspension Compliance	Cms	um/N
Resonant Frequency	Fs	Hz	243.3	15%	Effective Cone diameter	D	cm
Mechanical Q Factor	Qms		2.55		Effective Piston Area	Sd	cm^2
Electrical Q Factor	Qes	0.96			Effective Volume	Vas	L
Total Q Factor	Qts		0.7		Motor Force Factor	BL	Tm
Ratio Fs/Qts	F	Fs/Qts	349.57		Motor Efficiency Factor	β	(T*M^2)/Ohms
Half Space Sensitivity @2.83V	db@2.83V/1M	dB	83.44	+/- 1.0db	Voice coil former Material	VCfm	KSV
Half Space Sensitivity @1W/1M	db@1W/1M	dB	80.2	+/- 1.0db	Voice coil inner diameter	VCd	mm
Gap Height	Gh	mm	1		Rated Noise Power	P	W
Maximum Linear Excursion	Xmax	mm	1.1		Test Spectrum Bandwidth		250Hz-20KHz
Ferrofluid Type	FF		APG834		Driver Size		30 mm
Driver Mass	Kg	0.02					

Frequency and Impedance Response



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