

Model No.: PMT-2040N1625AL01-04

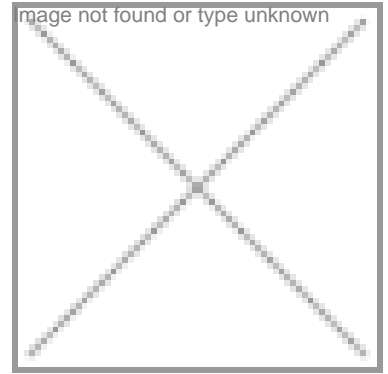
Rev: 1

Product Line: Tymphany

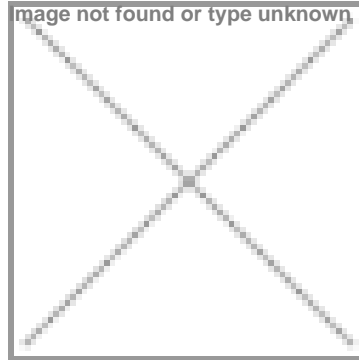
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## Product Description

This 20 mm x 40 mm 4 ohm compact Premium Micro Transducer is designed for computer, television array, and similar applications. It features a neodymium-iron-boron magnet, a light composite Al cone, and a high-temperature polycarbonate frame.



## Mechanical Drawing



## Specifications

DC Resistance	Revc	Ohms	4.14	5.0%	Energy Bandwidth Product	EBP	(1/Qes)*fs	
Minimum Impedance	Zmin	Ohms	4.19	7.5%	Moving Mass	Mms	g	0.4
Voice Coil Inductance	Le	mH	0.03		Suspension Compliance	Cms	um/N	623.5
Resonant Frequency	Fs	Hz	320.25	15%	Effective Cone diameter	D	cm	3.08
Mechanical Q Factor	Qms		2.54		Effective Piston Area	Sd	cm^2	7.4
Electrical Q Factor	Qes	2.19			Effective Volume	Vas	L	0.05
Total Q Factor	Qts		1.18		Motor Force Factor	BL	Tm	1.23
Ratio Fs/Qts	F	Fs/Qts	271.86		Motor Efficiency Factor	β	(T*M^2)/Ohms	0.4
Half Space Sensitivity @2.83V	db@2.83V/1M	dB	83.94	+/- 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	11
Gap Height	Gh	mm	1.2		Rated Noise Power	P	W	1
Maximum Linear Excursion	Xmax	mm	0.4		Test Spectrum Bandwidth		200 Hz - 20k Hz	
Ferrofluid Type	FF		APG834		Driver Size	Inch	20 x 40 mm	
Driver Mass	Kg		0.02					

## Frequency and Impedance Response

