

Model No.: PMT-37N28AL01-04
 Product Line: Tymphany

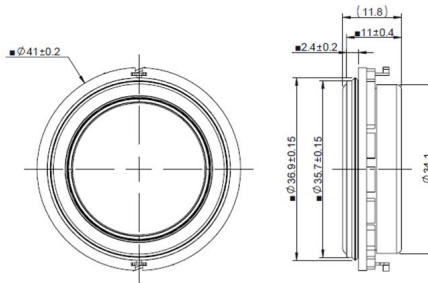
Rev: 1
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Product Description

This 37 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 aluminium cone, and a high-temperature polycarbonate frame. The PMT family's transducers feature low resonant frequencies and a full range bandwidth.



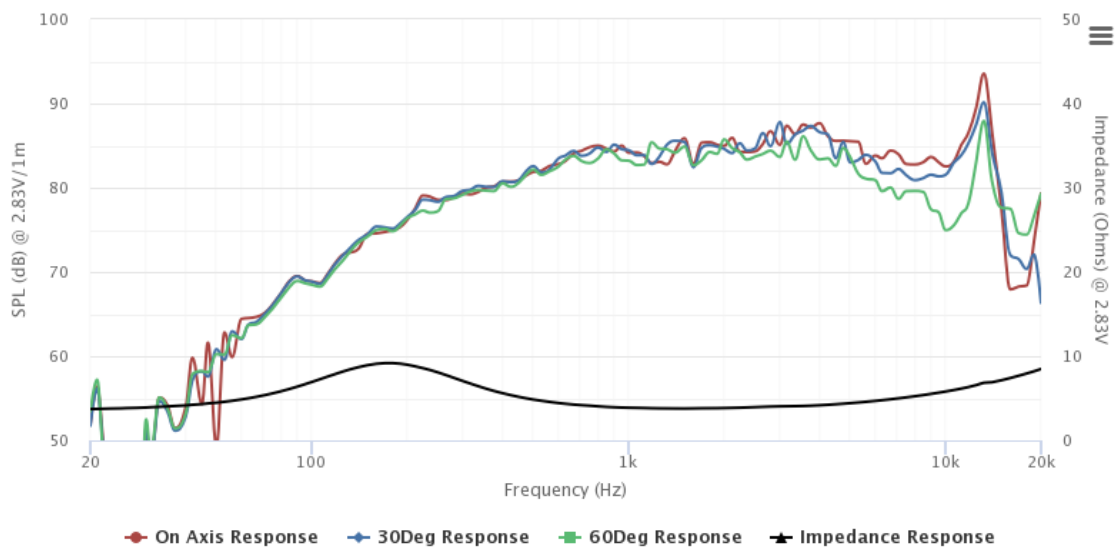
Mechanical Drawing



Specifications

DC Resistance	Revc	Ohms	3.58	5.0%	Energy Bandwidth Product	EBP	$(1/Q_{es}) \cdot f_s$
Minimum Impedance	Zmin	Ohms	3.78	7.5%	Moving Mass	Mms	g
Voice Coil Inductance	Le	mH	0.06		Suspension Compliance	Cms	um/N
Resonant Frequency	Fs	Hz	167.6	15%	Effective Cone diameter	D	cm
Mechanical Q Factor	Qms		1.28		Effective Piston Area	Sd	cm ²
Electrical Q Factor	Qes		0.5		Effective Volume	Vas	L
Total Q Factor	Qts		0.36		Motor Force Factor	BL	Tm
Ratio Fs/Qts	F	Fs/Qts	466.85		Motor Efficiency Factor	β	$(T \cdot M^2) / \text{Ohms}$
Half Space Sensitivity @2.83V	db@2.83V/1M	dB	84.25	+/- 1.0db	Voice coil former Material	VCfm	ASV
Half Space Sensitivity @1W/1M	db@1W/1M	dB	81	+/- 1.0db	Voice coil inner diameter	VCd	mm
Gap Height	Gh	mm	2		Rated Noise Power	P	W
Maximum Linear Excursion	Xmax	mm	0.1		Test Spectrum Bandwidth		200Hz-20k Hz
Ferrofluid Type	FF				Driver Size	Inch	37 mm
Driver Mass	Kg		0.04				

Frequency and Impedance Response



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