Driver Specification Sheet



Model No: PMT-40N25AL02-04 Rev: 2

Product Line: Tymphany Last Update: 2017-04-21 12:53:46

Product Description

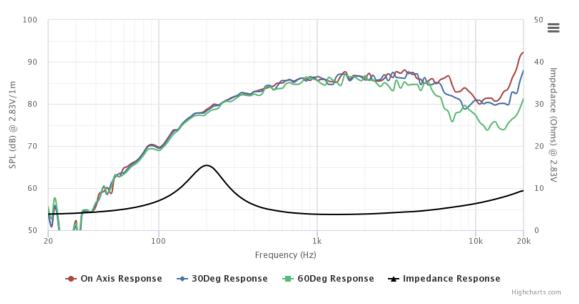
This 40 mm 4 ohm compact premium micro transducer is designed for computer, television array, and similar applications. It features a neodymium magnet, a light aluminium cone, and a high-temperature polycarbonate frame. The PMT family's transducers feature low resonant frequencies, low THD and a full range bandwidth.



Specifications

DC Resistance	Revc	Ohms	3.52	5.0%	Energy Bandwidth Product	EBP	(1/Qes)*fs	
Minimum Impedance	Zmin	Ohms	3.74	7.5%	Moving Mass	Mms	g	1
Voice Coil Inductance	Le	mH	0.07		Suspension Compliance	Cms	um/N	457.8
Resonant Frequency	Fs	Hz	240.77	15%	Effective Cone diameter	D	cm	3.29
Mechanical Q Factor	Qms		2.39		Effective Piston Area	Sd	cm^2	8.5
Electrical Q Factor	Qes	0.58			Effective Volume	Vas	L	0.05
Total Q Factor	Qts		0.47		Motor Force Factor	BL	Tm	2.96
Ratio Fs/Qts	F	Fs/Qts	516.68		Motor Efficiency Factor	ß	(T*M^2)/Ohms	2.5
Half Space Sensitivity @2.83V	db@2.83V/1M	dB	85.97	+/- 1.0db	Voice coil former Material	VCfm		KSV
Half Space Sensitivity @1W/1M	db@1W/1M	dB	82.7	+/- 1.0db	Voice coil inner diameter	VCd	mm	25.5
Gap Height	Gh	mm	2		Rated Noise Power	P	W	5
Maximum Linear Excursion	Xmax	mm	1.9		Test Spectrum Bandwidth	100Hz-20KHz		
Ferrofluid Type	FF		APG834		Driver Size	Inch	40 mm	
Driver Mass	Kg	0.06						

Frequency and Impedance Response



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