

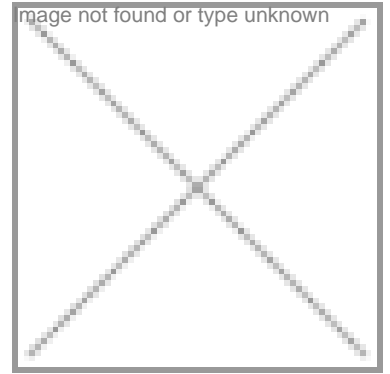
# Driver Specification Sheet

Model No.: HPD-50N25PR00-32  
Product Line: Tymphany

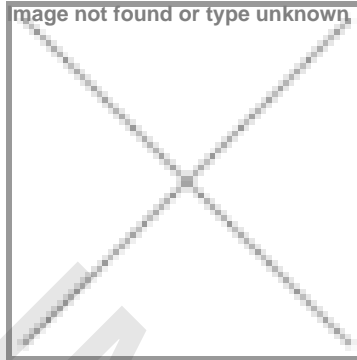
Rev: 1  
Last Update: 2018-07-12 02:58:23

## Product Description

HPD headphone, 50 mm, composite paper diaphragm, NdFeB motor, no faceplate, 32 ohm



## Mechanical Drawing



## Specifications

DC Resistance	Revc	Ohms	31	5.0%	Energy Bandwidth Product	EBP	(1/Qes)*fs	
Minimum Impedance	Zmin	Ohms	31.6	7.5%	Moving Mass	Mms	g	0.7
Voice Coil Inductance	Le	mH	0.13		Suspension Compliance	Cms	um/N	7.5
Resonant Frequency	Fs	Hz	69.5	15%	Effective Cone diameter	D	cm	4.5
Mechanical Q Factor	Qms		2.07		Effective Piston Area	Sd	cm^2	15.9
Electrical Q Factor	Qes		0.7		Effective Volume	Vas	L	2.68
Total Q Factor	Qts		0.52		Motor Force Factor	BL	Tm	3.76
Ratio Fs/Qts	F	Fs/Qts	133.65		Motor Efficiency Factor	β	(T*M^2)/Ohms	0.5
Half Space Sensitivity @2.83V	db@2.83V/1M	dB	92.15	+/- 1.0db	Voice coil former Material	VCfm		POLYIMIDE
Half Space Sensitivity @1W/1M	db@1W/1M	dB	98.1	+/- 1.0db	Voice coil inner diameter	VCd	mm	25.76
Gap Height	Gh	mm	1.5		Rated Noise Power	P	W	0.01
Maximum Linear Excursion	Xmax	mm	0.6		Test Spectrum Bandwidth		20Hz-20KHz	
Ferrofluid Type	FF				Driver Size	Inch	2 in	
Driver Mass	Kg		0.04					

## Frequency and Impedance Response

