

Model No.: NXT58SQ\_8OHM

Rev: 1

Product Line: Tymphany

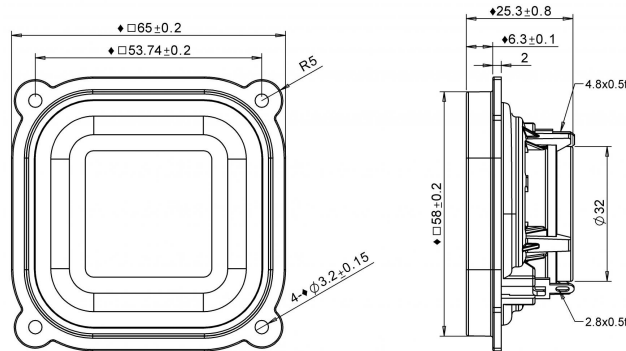
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## Product Description

This is a 2 inch 8 ohm square transducer, member of the NXT product family. This family features a powerful neodymium magnet, nestled within an innovative suspension system. The flat cone is honeycomb paper material, with rubber surround, with square plastic basket. Is designed to be a cost-effective high performance full range driver. This family driver is used for shallow applications such as television soundbars and compact music system.



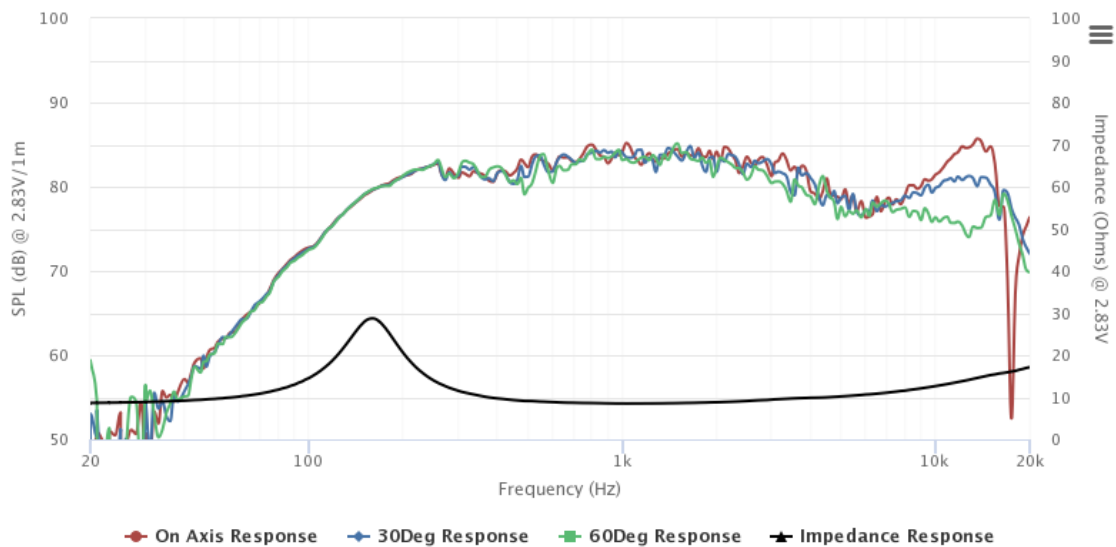
## Mechanical Drawing



## Specifications

DC Resistance	Revc	Ohms	7.98	5.0%	Energy Bandwidth Product	EBP	(1/Qes)*fs
Minimum Impedance	Zmin	Ohms	8.53	7.5%	Moving Mass	Mms	g
Voice Coil Inductance	Le	mH	0.1		Suspension Compliance	Cms	um/N
Resonant Frequency	Fs	Hz	165.2	15%	Effective Cone diameter	D	cm
Mechanical Q Factor	Qms		2.52		Effective Piston Area	Sd	cm <sup>2</sup>
Electrical Q Factor	Qes		0.89		Effective Volume	Vas	L
Total Q Factor	Qts		0.66		Motor Force Factor	BL	Tm
Ratio Fs/Qts	F	Fs/Qts	251.45		Motor Efficiency Factor	β	(T*M <sup>2</sup> )/Ohms
Half Space Sensitivity @2.83V	db@2.83V/1M	dB	84.27	+/- 1.0db	Voice coil former Material	VCfm	ASV
Half Space Sensitivity @1W/1M	db@1W/1M	dB	84.5	+/- 1.0db	Voice coil inner diameter	VCd	mm
Gap Height	Gh	mm	3		Rated Noise Power	P	W
Maximum Linear Excursion	Xmax	mm	0.5		Test Spectrum Bandwidth		100Hz-20KHz
Ferrofluid Type	FF				Driver Size	Inch	2 in
Driver Mass	Kg		0.1				

## Frequency and Impedance Response



Highcharts.com