

Model No: ANC-50N25AL00-04

Product Line: Tymphany

Rev: ES4

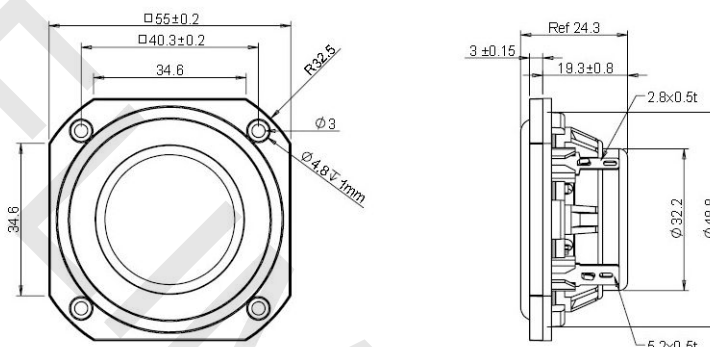
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Product Description

This 2 inch 4 ohm member of the ANC family sets a high standard, for compact full range drivers intended for telecommunications systems. It features an optimized motor and suspension for extremely low THD, a compact dome diaphragm for reduced depth and excellent radial acoustic dispersion, and an Aluminum dome for extended frequency response.



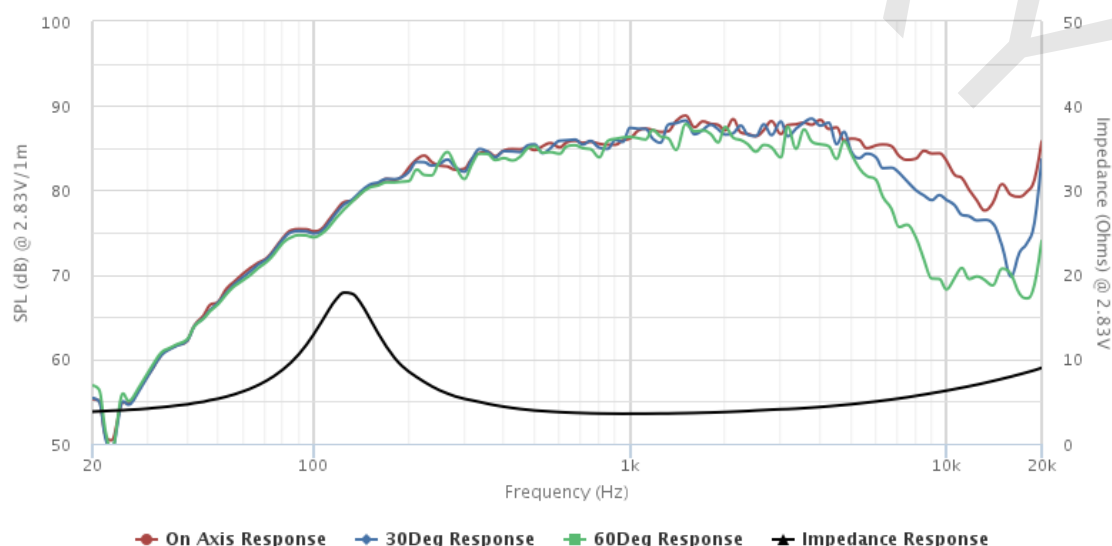
Mechanical Drawing



Specifications

DC Resistance	Revc	Ohms	3.22	5.0%	Energy Bandwidth Product	EBP	(1/Qes)*fs
Minimum Impedance	Zmin	Ohms	3.56	7.5%	Moving Mass	Mms	g
Voice Coil Inductance	Le	mH	0.06		Suspension Compliance	Cms	um/N
Resonant Frequency	Fs	Hz	144.97	15%	Effective Cone diameter	D	cm
Mechanical Q Factor	Qms		2.55		Effective Piston Area	Sd	cm^2
Electrical Q Factor	Qes	0.48			Effective Volume	Vas	L
Total Q Factor	Qts	0.41			Motor Force Factor	BL	Tm
Ratio Fs/Qts	F	Fs/Qts	353.59		Motor Efficiency Factor	β	(T*M^2)/Ohms
Half Space Sensitivity @2.83V	db@2.83V/1M	dB	85.98	+/- 1.0db	Voice coil former Material	VCfm	AL
Half Space Sensitivity @1W/1M	db@1W/1M	dB	82.5	+/- 1.0db	Voice coil inner diameter	VCd	mm
Gap Height	Gh	mm	2		Rated Noise Power	P	W
Maximum Linear Excursion	Xmax	mm	1.3		Test Spectrum Bandwidth	100Hz-20000Hz	
Ferrofluid Type	FF				Transducer Size	Inch	2 in
Transducer Mass	Kg	0.07					

Frequency and Impedance Response



Highcharts.com