

Model No: ANC-50N25AL00-04
 Product Line: Tymphany

Rev: EVT2
 Last Update: 2016-11-02 04:20:12

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.



Specifications

DC Resistance	Revc	Ohms	3.47	5.0%	Energy Bandwidth Product	EBP	(1/Qes)*fs
Minimum Impedance	Zmin	Ohms	3.59	7.5%	Moving Mass	Mms	g
Voice Coil Inductance	Le	mH	0.06		Suspension Compliance	Cms	um/N
Resonant Frequency	Fs	Hz	132.63	15%	Effective Cone diameter	D	cm
Mechanical Q Factor	Qms		2.06		Effective Piston Area	Sd	cm^2
Electrical Q Factor	Qes	0.48			Effective Volume	Vas	L
Total Q Factor	Qts	0.39			Motor Force Factor	BL	Tm
Ratio Fs/Qts	F	Fs/Qts	341.82		Motor Efficiency Factor	β	(T*M^2)/Ohms
Half Space Sensitivity @2.83V	db@2.83V/1M	dB	86.45	+/- 1.0db	Voice coil former Material	VCfm	AL
Half Space Sensitivity @1W/1M	db@1W/1M	dB	83	+/- 1.0db	Voice coil inner diameter	VCd	mm
Gap Height	Gh	mm	2		Rated Noise Power	P	W
Maximum Linear Excursion	Xmax	mm	1.8		Test Spectrum Bandwidth		100Hz-20000Hz
Ferrofluid Type	FF				Driver Size	Inch	2 in
Driver Mass	Kg	0.07					

Frequency and Impedance Response

