

Tweeter

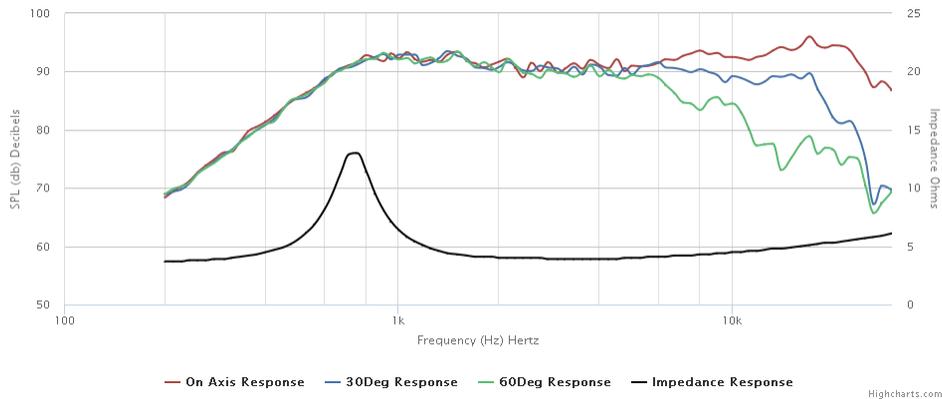
The 25 mm 4 ohm member of the NE family has leading-edge transducer technology packaged in a cutting edge, stylistic design. The tweeters in this family feature finite element analysis designed Neodymium-Iron-Boron magnet (NdFeB) motors, with copper caps for extended frequency response and reduced distortion. The aluminium rear chambers offer extended low frequency performance, while doubling as heat sinking. The butterfly supporting the tweeter diaphragm is made of a high temperature plastic, consistent with the products high temperature performance rating, and features supporting terminals. The dome material in this design is silk, and the design has been optimized for sound quality and clarity. Rounding out the design is an aluminium face plate and plastic grille, which offers protection for the tweeter diaphragm. |||||r|||||



NE25VTS-04

SPECIFICATIONS								
DC Resistance	Revc	Ω	3.15	±5.0%	Moving Mass	Mms	g	0.4
Minimum Impedance	Zmin	Ω	3.9	±7.5%	Suspension Compliance	Cms	um/N	130
Voice Coil Inductance	Le	mH	0.01	-	Effective Cone Diameter	D	cm	3.2
Resonant Frequency	fs	Hz	732.86	15%	Effective Piston Area	Sd	cm ²	8
Mechanical Q Factor	Qms	-	4.41	-	Equivalent Volume	Vas	L	0.01
Electrical Q Factor	Qes	-	1.12	-	Motor Force Factor	BL	T•m	2.17
Total Q Factor	Qts	-	0.89	-	Motor Efficiency Factor	β	(T•m ²)/Ω	1.5
Ratio	fs/Qts	-	822.52	-	Voice Coil Former Material	VCfm	-	ASV
Half Space Sensitivity	dB@2.83V/1m	dB	91.26	±1.01	Voice Coil Inner Diameter	VCd	mm	25.76
Sensitivity	1W/1m	dB	88.1	±1.01	Gap Height	Gh	mm	2
Rated Noise Power (IEC 268-5 18.1)	P	W	80	-	Maximum Linear Excursion	Xmax	mm	0.1
Test Spectrum Bandwidth	1300 Hz - 20k Hz	12 dB/Oct	2kHz - 20kHz	-	Ferrofluid Type	FF	-	
Energy Bandwidth Product	EBP	(1/Qes)•fs	-	-	Transducer Size	-	-	25 mm
					Transducer Mass	-	Kg	0.1

FREQUENCY & IMPEDANCE RESPONSE



MECHANICAL 2D DRAWING

