

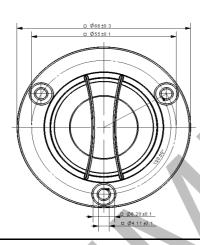
Model Number: NE25VTS-04 Revision: rev 1_0
Description: Vifa RM 25mm Tweeter "Silk" Date: Sep 4 09



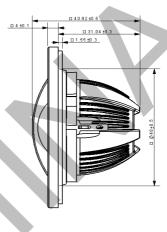
The Vifa NE product line has leading-edge transducer technology packaged in a cutting edge, stylistic design. The tweeters in this product line finite element analysis designed Neodymium-Iron-Boron magnet (NdFeB) motors, with copper caps for extended frequency response and reduced distortion. The aluminium 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 product's 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.



Mechanical 2D Drawing:



12 dB/Oct



Specifications:

DC Resistance	R _{evc}	Ω	3.1
Minimum Impedance	Z_{min}	Ω	3.56
Voice Coil Inductance	L _e	mH	0.01
Resonant Frequency	f _s	Hz	777
Mechanical Q Factor	Q _{ms}	-	6.4
Electrical Q Factor	Q _{es}	-	1.14
Total Q Factor	Q _{ts}		0.96
Ratio f _s / Q _{ts}	F	f _s / Q _{ts}	806
Half Space Sensitivity @ 2.83V	dB@2.83V/1m	dB	92.0
Rated Noise Power (IEC 2685 18.1)	P	W	na

2k-20kHz

EBP	$(1/Q_{es})\cdot f_s$	685
M _{ms}	g	0.35
C_{ms}	um/N	119.0
D	cm	3.2
S_D	cm ²	8.0
V _{as}	L	0.01
BL	T·m	2.17
β	$(T \cdot m^2)/\Omega$	1.52
VC_{fm}	-	Al
VC _d	mm	25.8
X_{max}	mm	0.10
-	kg	0.1
	M _{ms} C _{ms} D S _D V _{as} BL β	$\begin{array}{cccc} M_{ms} & g \\ C_{ms} & um/N \\ D & cm \\ S_D & cm^2 \\ V_{ss} & L \\ BL & T \cdot m \\ \beta & (T \cdot m^2) / \Omega \\ \\ VC_{fm} & - \\ VC_d & mm \\ X_{max} & mm \\ \end{array}$

Frequency and Impedance Response:

Test Spectrum Bandwidth

