

Description: Vifa RM 19mm tweeter "Aluminium"

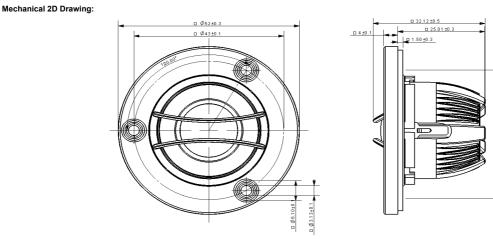
Transducer Specification Sheet

Revision: rev 2_0 Date: 3-Sep-09

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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 aluminum, 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.





Specifications:

DC Resistance	Revc	Ω	2.5	Energy Bandwidth Product	EBP	(1/Q _{es})·f _s	451
Minimum Impedance	Z _{min}	Ω	3.1	Moving Mass	M _{ms}	g	0.21
Voice Coil Inductance	Le	mH	0.01	Suspension Compliance	C _{ms}	um/N	204.7
Resonant Frequency	fs	Hz	775	Effective Cone Diameter	D	cm	2.5
Mechanical Q Factor	Q _{ms}	-	2.8	Effective Piston Area	SD	cm ²	4.9
Electrical Q Factor	Q _{es}	-	1.72	Equivalent Volume	Vas	L	0.01
Total Q Factor	Q _{ts}	-	1.07	Motor Force Factor	BL	T·m	1.22
Ratio f _s / Q _{ts}	F	$\rm f_s / Q_{ts}$	724	Motor Efficiency Factor	β	$(T \cdot m^2)/\Omega$	0.58
Half Space Sensitivity @ 2.83V	dB@2.83V/1m	dB	89.4	Voice Coil Former Material	VC _{fm}	-	ASV
Rated Noise Power (IEC 2685 18.1)	P	W	100	Voice Coil Inner Diameter	VCd	mm	19.3
Test Spectrum Bandwidth	2500Hz - 20000Hz		12 dB/Oct	Maximum Linear Excursion	X _{max}	mm	0.10
				Transducer Mass	-	kg	0.06

Frequency and Impedance Response:

