

4" 40NFR

Fullrange



Key features:

- FULL-RANGE FREQUENCY RESPONSE
- UNIQUE CONE MATERIAL
- FOR COLUMN SYSTEMS, DESKTOP HIGH PERFORMANCE 2 WAY OR ONE-WAY SPEAKERS, HI-FI APPLICATIONS

Design notes:

The 40NFR is a very high efficiency, (86dB 1watt / 1 meter) 4-inch full range speaker with linear frequency response characteristics and high power handling capability while generating low harmonic distortion artifacts. The 40NFR uses a unique exponential cone, made off very lightweight glass-carbon fiber woven fabric, along with a NBR single roll geometry surround. The

combination provides remarkable strength, high efficiency and sustained output under extreme conditions.

Magnetic circuit design
REDCATT engineers have developed neodymium based magnetic circuit, capable of delivering the highest level of performance, providing a consistent, high integrity

magnetic flux gap, low distortion characteristic. The magnetic circuit design is optimized to generate the minimum amount of flux modulation, providing exceptional stability. The compact size of the magnetic circuit ensures the speaker can fit in tight space of modern audio product designs.

Specifications:

General specs	
Nominal Diameter:	4 "
Rated Impedance:	16 ohm
Power handling	
AES Power:	25 watts
Program Power:	50 watts
Peak Power:	100 watts
Voice Coil	
Diameter:	19 mm
Winding wire:	CCAW
Former:	Kapton
Winding height:	4.9 mm

T/S Parameters	
Resonant frequency:	115 Hz
Re:	12.3 ohm
Qes:	1.3
Qms:	6.2
Qts:	1.1
Vas:	1.5 liters
Sd:	50.2 cm ²
Sensitivity:	85.52 dB
Mms:	4.4 grams
Bl:	5.3
Le:	0.2 mH

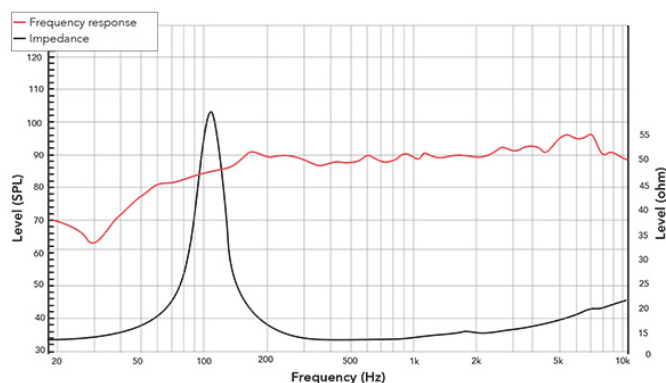
Design details	
Surround Material:	NBR
Cone material:	Paper CF
Spider:	Nomex
Plate thickness:	4 mm
Overall diameter:	103.5 mm
Bolt circle diameter:	115 mm
Baffle cutout dia.:	91 mm
Mounting holes:	4
Depth:	50.5 mm
Net weight:	0.2 kg

Ordering code:

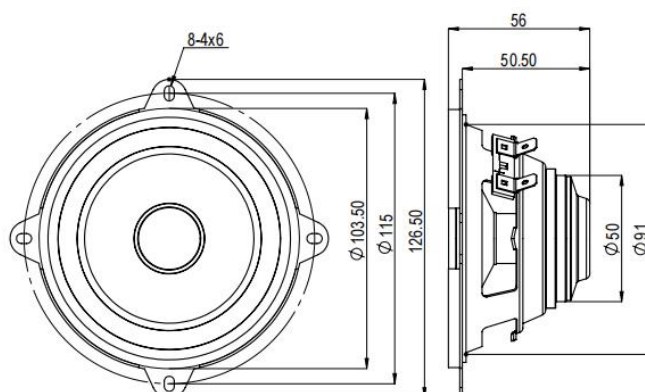
DR-4-008-16R-B2-C0001

In many cases REDCATT produces 4, 8 and 16 ohm versions — indicate what impedance you need in your request.

Frequency response & Impedance



2D drawing



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