Key features:

- FULL-RANGE FREQUENCY RE-SPONSE
- UNIQUE CONE MATERIAL
- FOR COLUMN SYSTEMS, DESKTOP HIGH PERFOR-MANCE 2 WAY OR ONE-WAY SPEAKERS, HI-FI APPLICA-

Design notes:

The 40NFR is a very high efficiency, (91dB 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:	0.75 in.
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 cm2
Sensitivity:	85.52 dB
Mms:	4.4 grams
Bl:	5.3
Le:	0.2 mH

Design details	
Surround Material:	Rubber
Cone material:	Glass Fiber
Spider:	Nomex
Plate thickness:	4 mm
Peak to peak linear cone displacement	3.3 mm
Overall diameter:	103.5 mm
Bolt circle diameter:	115 mm
Baffle cutout dia.:	91 mm
Number of mounting holes:	4
Depth (flange to rear):	50.5 mm
Net weight:	0.2kg

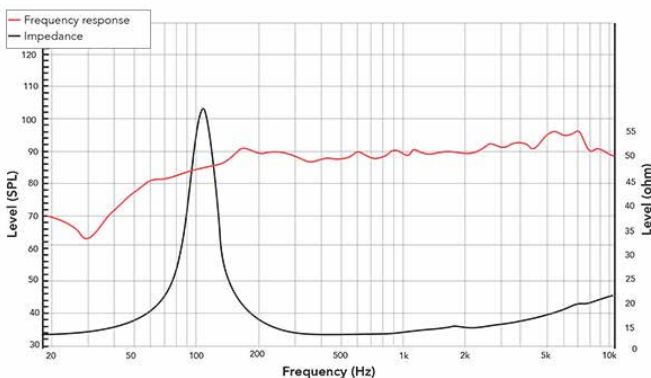| Ordering codes: |
|---|
| 40NFRX16-223 |

Recone kits:

In many cases REDCATT produces 4 ohms, 8 ohms and 16 ohms versions. Indicate what impedance do you need in your request.

Frequency response & Impedance

Frequency response measured on IAC baffle

2D drawing