

4" 41NFR

Fullrange



Key features:

- FULL-RANGE FREQUENCY RESPONSE
- EXTENDED LF RESPONSE
- FRONT OR REAR MOUNTING

Design notes:

41NFR was introduced as part of our new range of smaller transducers. The model is focusing on improvements in frequency response, both in LF and Mid-Freq. Powerful neodymium ring based magnetic structure delivers the highest levels of moving force onto the voice coil with minimum distortion artifacts.

The cone and rubber surround were further FEM modeled and deliver incredible performance.

41NFR was designed for column speakers, micro line-array systems and two-way audio systems. Due to its good performance in high frequencies, this driver can be used without HF unit, which opens

new opportunities for the system engineers to design compact, yet good sounding products.

Our newly developed basket with typical REDCATT shapes, utilizes tall front EVA gasket and 1mm rear gasket. The driver can be thus mounted from both sides of the baffle.

Specifications:

General specs	
Nominal Diameter:	4 "
Rated Impedance:	16 ohm
Power handling	
AES Power:	40 watts
Program Power:	80 watts
Peak Power:	160 watts
Voice Coil	
Diameter:	25.4 mm
Winding wire:	Copper
Former:	kapton
Winding height:	11.3 mm

T/S Parameters	
Resonant frequency:	98 Hz
Re:	12.2 ohm
Qes:	0.4
Qms:	5.05
Qts:	0.37
Vas:	2.1 liters
Sd:	56.75 cm ²
Sensitivity:	90.3 dB
Mms:	5.4 grams
Bl:	10
Le:	0.58 mH

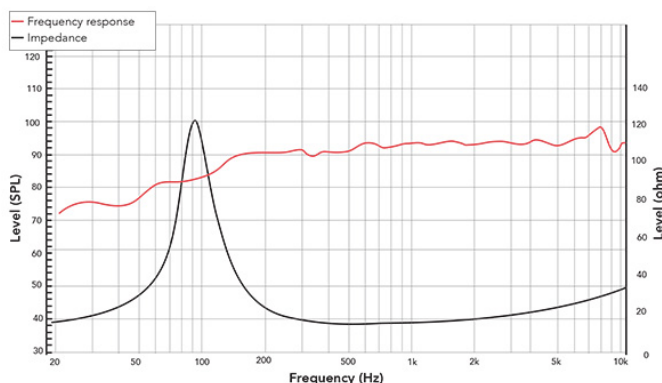
Design details	
Surround Material:	NBR
Cone material:	Paper CF
Spider:	Nomex
Plate thickness:	5 mm
Overall diameter:	104.5 mm
Bolt circle diameter:	106.3 mm
Baffle cutout dia.:	92.2 mm
Mounting holes:	4
Depth:	51.2 mm
Net weight:	0.54 kg

Ordering code:

DR-4-017-16R-B2-C0001

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

Frequency response & Impedance



Frequency response measured on IEC baffle

2D drawing

