

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

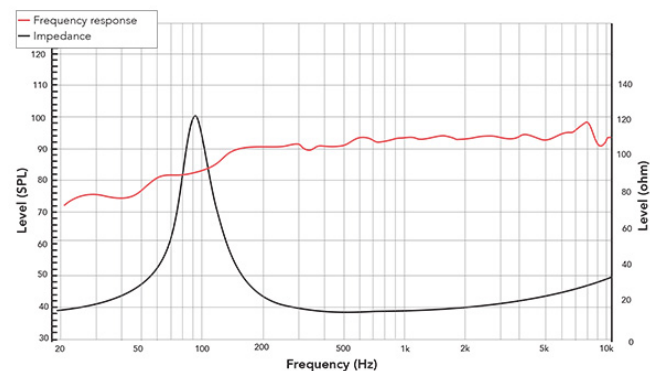
system engineers to design compact, yet good sounding products.

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:

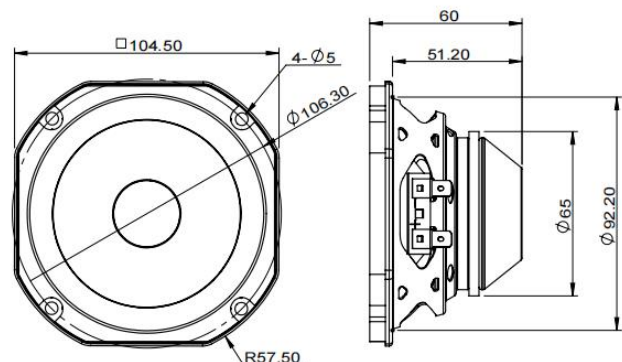
General specs	T/S Parameters	Design details	Ordering codes:
Nominal Diameter: 4 "	Resonant frequency: 98 Hz	Surround Material: NBR	DR-4-017-16R-B2-C0001
Rated Impedance: 16 ohm	Re: 12.2 ohm	Cone material: Paper CF	Legacy code: 41NFRX16-464A
Power handling	Qes: 0.4	Spider: Nomex	Recone kits:
AES Power: 40 watts	Qms: 5.05	Plate thickness: 5 mm	RC41NFRX16-464A
Program Power: 80 watts	Qts: 0.37	Overall diameter: 104.5 mm	In many cases REDCATT produces 4, 8 and 16 ohm versions — indicate what impedance you need in your request.
Peak Power: 160 watts	Vas: 2.1 liters	Bolt circle diameter: 106.3 mm	
Voice Coil	Sd: 56.75 cm²	Baffle cutout dia.: 92.2 mm	
Diameter: 25.4 mm	Sensitivity: 90.3 dB	Mounting holes: 4	
Winding wire: Copper	Mms: 5.4 grams	Depth: 51.2 mm	
Former: kapton	Bl: 10	Net weight: 0.54 kg	
Winding height: 11.3 mm	Le: 0.58 mH		

Frequency response & Impedance



Frequency response measured on IEC baffle

2D drawing



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