4" | 4FR

Ferrite Full-Range

REDCAT

Key features:

- 4FR MID-WOOFER WAS DESIGNED WITH OUTDOOR APPLICATIONS IN MIND. ALL SPEAKER PARTS ARE COATED
- EXTENDED LF FREQUENCY RESPONSE
- 2-WAY SPEAKER SYSTEMS

Design notes:

4FR Mid-woofer was designed with outdoor applications in mind. All speaker parts are coated to provide good protection against weather elements. The surround, cone and dust cap are produced with UV stabilizers. Our state of the art glue application and glue selection ensures the glue joints are waterproof.

Magnet circuit is designed around sizable ferrite magnet. Consistent and wide Bl field add to the well balanced performance of this driver.

Polypropylene cone and dustcap are lightweight solution and deliver the highest levels of performance. Large surround roll extends the peak to peak cone displacement and greatly improves the LF performance.

The best application is in 2-way or multi-way speaker systems that can be designed for indoor or outdoor usage in Hi-Fi or professional products.

Specifications:

General specs	
Nominal Diameter:	4"
Rated Impedance:	4 ohm

Power handling	
AES Power:	30 watts
Program Power:	60 watts
Peak Power:	120 watts

Voice Coil	
Diameter:	1 in.
Winding wire:	Copper
Former:	Aluminum
Winding height:	4.3 mm

T/S Parameters	
Resonant frequency:	80 Hz
Re:	3.3 ohm
Qes:	0.58
Qms:	4.24
Qts:	0.51
Vas:	1.96 liters
Sd:	50.3 cm2
Sensitivity:	85.13 dB
Mms:	7.3 grams
Bl:	4.58
Le:	0.29 mH

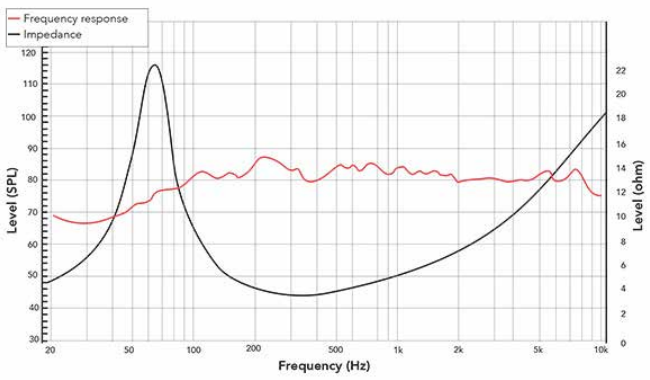
Design details	
Surround Material:	Rubber
Cone material:	PP
Spider:	Nomex
Plate thickness:	5 mm
Peak to peak linear cone displacement	3.3 mm
Overall diameter:	116 mm
Bolt circle diameter:	109 mm
Baffle cutout dia.:	94.5 mm
Number of mounting holes:	4
Depth (flange to rear):	55.9 mm
Net weight:	0.78kg

Ordering codes:
4FRX4-385

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