

4"**35FR**

Ferrite Full-Range



Key features:

- EXTENDED FREQUENCY RESPONSE
- BL SYMMETRY
- FEM OPTIMIZED PAPER CONE AND SURROUND

Design notes:

35FR was developed as full-range ferrite magnet driver. It has an excellent HF extension and provides good level of LF performance.

The driver was designed for usage in sealed speaker systems. It could be in column speakers, 2-way or 1-way speakers. It is also possible design a speaker system with a passive radiator to further extend the low frequency range.

Voice coil is wound with CCAW

hi temperature wire directly on the Kapton former, ensuring good power handling and high temperature stability.

This driver brings good balance between performance and cost.

Depending on intended usage, we can deliver the driver either as 4, 8 or 16 ohm version.

Specifications:

General specs

Nominal Diameter: 4"
Rated Impedance: 8 ohm

Power handling

AES Power: 20 watts
Program Power: 40 watts
Peak Power: 80 watts

Voice Coil

Diameter: 1 in.
Winding wire: CCAW
Former: kapton
Winding height: 8.7 mm

T/S Parameters

Resonant frequency: 128 Hz
Re: 6.3 ohm
Qes: 0.68
Qms: 7.76
Qts: 0.63
Vas: 1.14 liters
Sd: 40.7 cm²
Sensitivity: 88.59 dB
Mms: 3.1 grams
Bl: 4.8
Le: 0.25 mH

Design details

Surround Material: Fabric
Cone material: Paper
Spider: Nomex
Plate thickness: 4 mm
Peak to peak linear cone displacement: 4.3 mm
Overall diameter: 93 mm
Bolt circle diameter: 101 mm
Baffle cutout dia.: 85.5 mm
Number of mounting holes: 4
Depth (flange to rear): 49 mm
Net weight: 0.57kg

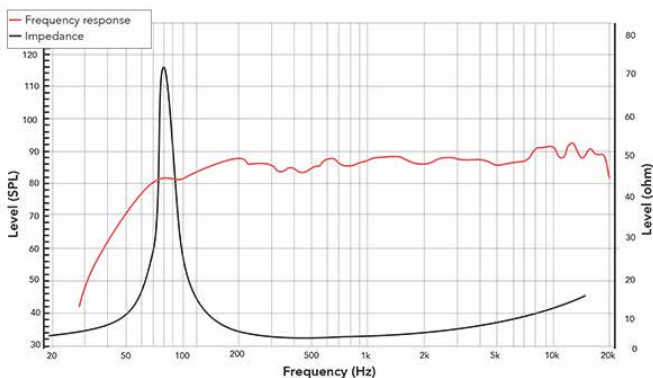
Ordering codes:

35FRX8-406B

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

