

3.5" 35FR-1

Fullrange



Key features:

- MIGHTY DRIVER DELIVERING THE HIGHEST PERFORMANCE
- VERY GOOD LF EXTENSION, LARGE PEAK TO PEAK CONE DISPLACEMENT

Design notes:

35FR was developed as full-range ferrite magnet driver. It has an excellent HF extension and provides extended 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 copper hi temperature wire directly on the aluminum 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 or 8 ohm version.

Specifications:

General specs	
Nominal Diameter:	3.5 "
Rated Impedance:	4 ohm
Power handling	
AES Power:	25 watts
Program Power:	50 watts
Peak Power:	100 watts
Voice Coil	
Diameter:	25.4 mm
Winding wire:	Copper
Former:	Aluminum
Winding height:	6.9 mm

T/S Parameters	
Resonant frequency:	67 Hz
Re:	3.5 ohm
Qes:	0.37
Qms:	4.35
Qts:	0.34
Vas:	1.6 liters
Sd:	38.5 cm ²
Sensitivity:	83.7 dB
Mms:	7.5 grams
Bl:	5.46
Le:	0.14 mH

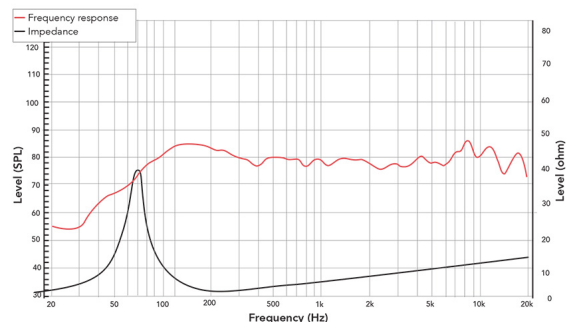
Design details	
Surround Material:	NBR
Cone material:	Paper CF
Spider:	Nomex
Plate thickness:	8 mm
Overall diameter:	93 mm
Bolt circle diameter:	101 mm
Baffle cutout dia.:	85 mm
Mounting holes:	4
Depth:	51 mm
Net weight:	0.85 kg

Ordering code:

DR-3.5-002-4R-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

