

Ordering code: 10FIND-033

Ferrite Woofer

Cont. Power	Sens.	Fs	Freq. Range	VC Dia.	VC Wire	Cone/Surround/Dome	Magnet type
650 watts	97 dB	64 Hz	55 Hz - 4,500 Hz	3"	Copper	Paper w. GF/ Fabric	Ferrite



General Specifications

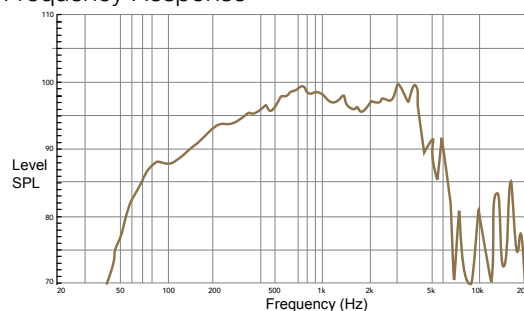
Nominal Diameter:	250 mm (10 in.)
Rated Impedance:	8 ohm
Power Handling:	
AES Power:	425 Watts
Power Compression @-10dB	0.4dB
Power Compression @-10dB	1.6dB
Power Compression @Max Power	2.2dB
Maximum Recommended Xover Freq.:	2,500 Hz
Recommended Enclosure Volume:	10 - 40 Liters
Cone Design:	Exp. Gmtry, Redcatt Cell.
Front Plate Thickness:	8 mm
Winding Height:	13 mm
Fs	64 Hz
Re	6.04 Ohm
Sd	346 cm ² (53.6 in. ²)
Qms	15.84
Qes	0.38
Qts	0.37
Vas	33.8 Liters
Mms	30.7 g
BL product (force factor)	14.1 Tm
Peak to peak displacement (mm)	16
Le (mH @1kHz)	0.41
Overall diameter	262 mm (10.3 in.)
No. of mounting holes	8
Bolt circle diameter	246 mm (9.68 in.)
Front mount baffle cutout dia.	231mm (9.1 in.) Nominal
Rear mount baffle cutout diameter	230 mm (9.05 in.) Nominal
Total depth	117.5 mm (4.62 in.)
Flange and gasket thickness	7.75 mm (0.3 in.)
Net weight	4.55 kg (10 lbs.)
Shipping weight	5.5 kg (12.1 lbs.)
Packing Dimensions	275x275x125mm (11x11x6 in.)

The 10FIND is a high efficiency, (97 dB 1watt / 1 meter) 10-inch woofer with linear frequency response characteristics, high power handling capability, while generating ultra low harmonic distortion artifacts. The 10FIND uses a lightweight glass fiber loaded cone assembly along with a high excursion triple roll surround. This combination provides a lightweight, yet strong, piston.

Magnetic Circuit

REDCATT engineers have developed a ferrite based magnetic circuit, capable of delivering the highest level of performance, providing a consistent, high integrity magnetic flux gap, ultra low distortion characteristic and high efficiency cooling system. The magnetic structure has integrated two aluminum shorting rings. The magnetic circuit design is optimized to generate the minimum amount of flux modulation, providing exceptional stability.

Frequency Response



Frequency response measurement with transducer mounted in a 35 liter vented enclosure tuned to 55Hz

Impedance Response

