

Ordering code: 30FF-047

Ferrite Full Range

Cont. Power	Sens.	Fs	Freq. Range	VC Dia.	VC Wire	Cone/Surround/Dome	Magnet type
50 watts	86 dB	131 Hz	100 Hz - 20,000 Hz	0.8"	CCAW	Paper / Rubber	Ferrite



General Specifications

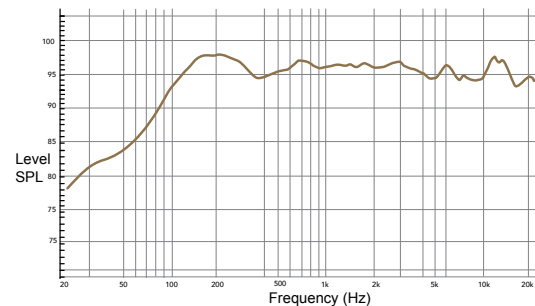
Nominal Diameter:	76 mm (3 in.)
Rated Impedance:	8 ohm
Power Handling:	
AES Power:	25 Watts
Power Compression @-10dB	0.5dB
Power Compression @-10dB	1.4dB
Power Compression @Max Power	2.3dB
Maximum Recommended Xover Freq.:	--- N/A ---
Recommended Enclosure Volume:	0.5 - 2 Liters
Cone Design:	Exp. Geometry, paper
Front Plate Thickness:	4 mm
Winding Height:	5.7 mm
Fs	131 Hz
Re	5.68 Ohm
Sd	28.3 cm ² (4.39 in. ²)
Qms	4.1
Qes	0.58
Qts	0.51
Vas	0.61Liters
Mms	2.7 g
BL product (force factor)	4.7 Tm
Peak to peak displacement (mm)	14 mm
Le (mH @1kHz)	0.47
Overall diameter	79 mm (2.71 in.)
No. of mounting holes	4
Bolt circle diameter	86 mm (3.4 in.)
Front mount baffle cutout dia.	72 mm (2.84 in.) Nominal
Rear mount baffle cutout diameter	77.55 mm (3.06 in.) Nominal
Total depth	48 mm (1.89 in.)
Flange and gasket thickness	4 mm (0.16 in.)
Net weight	0.55 kg (1.21 lbs.)
Shipping weight	0.8 kg (1.76 lbs.)
Packing Dimensions	10x10x8 cm (0.4x0.4x0.32 in.)

The 30FF is a high efficiency, (86dB 1watt / 1 meter) 3-inch full range speaker with linear frequency response characteristics and high power handling capability while generating low harmonic distortion artifacts. The 30FF uses a lightweight exponential pressed cone assembly along with a NBR single roll geometry surround. The combination provides remarkable strength, high efficiency and sustained output under extreme conditions.

Power Handling

At the core of the 30FF is its voice coil technology featuring a Kapton former material capable of withstanding peak temperatures in excess of 240C, well beyond the thermal requirements of modern professional audio systems and providing optimal structural strength and thermal characteristics. Former strength provides the ideal transfer of power between the voice coil and the cone assembly and assists in reducing distortion artifacts. By combining this material with state of the art adhesives and our winding voice coil technology, the 30FF delivers very high performance.

Frequency Response



Frequency response measurement with transducer mounted on large baffle

Impedance Response

