

# 5FE100

5" - 80 W - 87 dB - 4 Ohm



## NOMINAL SPECIFICATIONS

Nominal Diameter	130 mm (5 in)
Overall Diameter	144.8/124.5 mm (5.7/4.9 in)
Bolt Circle Diameter	133 mm (5.24 in)
Baffle Cutout Diameter	114 mm (4.49 in)
Depth	71.5 mm (2.81 in)
Flange and Gasket Thickness	6.5 mm (0.25 in)
<b>Net Weight</b>	<b>1.1 kg (2.5 lb)</b>
Shipping Box (Single Carton Box - 8 units)	302 x 275 x 186 mm (11.9 x 10.8 x 7.3 in)
Shipping Weight (8 units)	10.1 kg (22.3 lb)

## PART NUMBER

Faston Terminals - 4 Ohm Version	01304156
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## NOTES:

- (1) 2 Hours Test According to AES 2-1984 Rev. 2003
- (2) Maximum power is defined as 3dB greater than nominal power.
- (3) NBR (Rubber)
- (4)  $X_{max} = [(winding\ depth - magnetic\ gap\ depth)/2] + (magnetic\ gap\ depth/3)$
- (5) Maximum excursion before permanent damage

## TECHNICAL PARAMETERS

Nominal Impedance	4 Ohm
Minimum Impedance	3.8 Ohm
AES Power Handling (1)	80 W
<b>Maximum Power Handling (2)</b>	<b>160 W</b>
<b>Sensitivity (1W/1m)</b>	<b>87 dB</b>
Frequency Range	63-6300 Hz
<b>Voice Coil Diameter</b>	<b>32 mm (1.26 in)</b>
Winding Material	Cu
Former Material	Kapton
Winding Depth	12.4 mm (0.49 in)
<b>Magnetic Gap Depth</b>	<b>6 mm (0.24 in)</b>
Flux Density	1 T
Magnet	Ferrite Ring
Basket Material	Steel
Demodulation	No
Cone Surround (3)	Half Roll
NET Air Volume filled by Loudspeaker	0.3 dm <sup>3</sup> (0.011 ft <sup>3</sup> )
Spider Profile	1x constant height waves

## THIELE & SMALL PARAMETERS

Fs	65 Hz
Re	3.1 Ohm
Qes	0.35
Qms	8.6
Qts	0.33
Vas	6.1 dm <sup>3</sup> (0.21 ft <sup>3</sup> )
Sd	84 cm <sup>2</sup> (13.07 in <sup>2</sup> )
Xmax (4)	5.20 mm
Xdamage (5)	9.5 mm
Mms	9.8 g
Bl	6 N/A
Le	0.45 mH
Mmd	8.9 g
Cms	0.61 mm/N
Rms	0.5 kg/s
Eta Zero	0.47 %
EBP	188 Hz

