

# 6FE100

6" - 100 W - 91 dB - 8 Ohm



## NOMINAL SPECIFICATIONS

Nominal Diameter	160 mm (6 in)
Overall Diameter	181.2/164 mm (7.13/6.46 in)
Bolt Circle Diameter	167 mm (6.57 in)
Baffle Cutout Diameter	147 mm (5.79 in)
Depth	84.5 mm (3.33 in)
Flange and Gasket Thickness	8 mm (0.31 in)
<b>Net Weight</b>	<b>1.2 Kg (2.6 lb)</b>
Shipping Box (Single Carton Box - 4 units)	393 x 380 x 128 mm (15.5 x 15.0 x 5.0 in)
Shipping Weight (4 units)	5.6 Kg (12.3 lb)

## PART NUMBER

Faston Terminals - 8 Ohm Version	01603942
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## NOTES:

Packaged and sold in multiples of 4 units

(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	8 Ohm
Minimum Impedance	5.9 Ohm
AES Power Handling (1)	100 W
<b>Maximum Power Handling (2)</b>	<b>200 W</b>
<b>Sensitivity (1W/1m)</b>	<b>91 dB</b>
Frequency Range	63-5000 Hz
<b>Voice Coil Diameter</b>	<b>32 mm (1.26 in)</b>
Winding Material	Cu
Former Material	Kapton
Winding Depth	12.5 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	Aluminum Ring
Cone Surround (3)	Half Roll
NET Air Volume filled by Loudspeaker	0.4 dm <sup>3</sup> (0.014 ft <sup>3</sup> )
Spider Profile	1x constant height waves

## THIELE & SMALL PARAMETERS

Fs	61 Hz
Re	5.4 Ohm
Qes	0.60
Qms	6.0
Qts	0.54
Vas	14.1 dm <sup>3</sup> (0.50 ft <sup>3</sup> )
Sd	143 cm <sup>2</sup> (22.16 in <sup>2</sup> )
Xmax (4)	5.25 mm
Xdamage (5)	13.15 mm
Mms	14.0 g
Bl	6.8 N/A
Le	0.5 mH
Mmd	13.0 g
Cms	0.48 mm/N
Rms	0.90 Kg/s
Eta Zero	0.50 %
EBP	102 Hz

