

# 4FE35

4" - 30 W - 91 dB - 4 Ohm



## NOMINAL SPECIFICATIONS

Nominal Diameter	100 mm (4 in)
Overall Diameter	129.85/100.5 mm (5.11/3.96 in)
Bolt Circle Diameter	115.26 mm (4.54 in)
Baffle Cutout Diameter	91.5 mm (3.60 in)
Depth	49.8 mm (1.96 in)
Flange and Gasket Thickness	7.2 mm (0.28 in)
<b>Net Weight</b>	<b>570 g (1.3 lb)</b>
Shipping Box (Single Carton Box - 8 units)	225 x 225 x 150 mm (8.9 x 8.9 x 5.9 in)
Shipping Weight (8 units)	5 kg (11.0 lb)

## PART NUMBER

Faston Terminals - 4 Ohm Version	01004109
----------------------------------	----------

## 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	3.7 Ohm
AES Power Handling (1)	30 W
<b>Maximum Power Handling (2)</b>	<b>60 W</b>
<b>Sensitivity (1W/1m)</b>	<b>91 dB</b>
Frequency Range	90-20000 Hz
<b>Voice Coil Diameter</b>	<b>19 mm (0.75 in)</b>
Winding Material	Al
Former Material	Kapton
Winding Depth	4.8 mm (0.19 in)
<b>Magnetic Gap Depth</b>	<b>4 mm (0.16 in)</b>
Flux Density	1.1 T
Magnet	Ferrite Ring
Basket Material	Steel
Demodulation	Copper Cap
Cone Surround (3)	Half Roll
NET Air Volume filled by Loudspeaker	0.150 dm <sup>3</sup> (0.005 ft <sup>3</sup> )
Spider Profile	1x constant height waves

## THIELE & SMALL PARAMETERS

Fs	100 Hz
Re	3.3 Ohm
Qes	0.90
Qms	3.9
Qts	0.73
Vas	2.4 dm <sup>3</sup> (0.09 ft <sup>3</sup> )
Sd	51.9 cm <sup>2</sup> (8.04 in <sup>2</sup> )
Xmax (4)	1.73 mm
Xdamage (5)	6.8 mm
Mms	3.9 g
Bl	3 N/A
Le	0.04 mH
Mmd	3.5 g
Cms	0.65 mm/N
Rms	0.65 kg/s
Eta Zero	0.26 %
EBP	111 Hz

