

4FE35

4" - 30 W - 91 dB - 16 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	58.3 mm (2.30 in)
Flange and Gasket Thickness	7.2 mm (0.28 in)
Net Weight	570 g (1.26 lb)
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 - 16 Ohm Version	01004129
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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	16 Ohm
Minimum Impedance	13.4 Ohm
AES Power Handling (1)	30 W
Maximum Power Handling (2)	60 W
Sensitivity (1W/1m)	91 dB
Frequency Range	90-20000 Hz
Voice Coil Diameter	19 mm (0.75 in)
Winding Material	Al
Former Material	Kapton
Winding Depth	5 mm (0.20 in)
Magnetic Gap Depth	4 mm (0.16 in)
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 ³ (0.005 ft ³)
Spider Profile	1x constant height waves

THIELE & SMALL PARAMETERS

Fs	100 Hz
Re	12.3 Ohm
Qes	1.67
Qms	3.8
Qts	1.16
Vas	2 dm ³ (0.07 ft ³)
Sd	48 cm ² (7.44 in ²)
Xmax (4)	1.83 mm
Xdamage (5)	6.8 mm
Mms	4.2 g
Bl	4.3 N/A
Le	0.1 mH
Mmd	3.6 g
Cms	0.64 mm/N
Rms	0.65 Kg/s
Eta Zero	0.12 %
EBP	60 Hz

