

# 4FE42



4" - 40 W - 93 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	54.1 mm (2.13 in)
Flange and Gasket Thickness	7 mm (0.28 in)
<b>Net Weight</b>	<b>390 g (0.9 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)	3.6 kg (7.9 lb)

## PART NUMBER

Faston Terminals - 8 Ohm Version	01004394
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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	4.1 Ohm
AES Power Handling (1)	40 W
<b>Maximum Power Handling (2)</b>	<b>80 W</b>
<b>Sensitivity (1W/1m)</b>	<b>93 dB</b>
Frequency Range	100-20000 Hz
<b>Voice Coil Diameter</b>	<b>25 mm (0.98 in)</b>
Winding Material	Al
Former Material	Kapton
Winding Depth	7 mm (0.28 in)
<b>Magnetic Gap Depth</b>	<b>4 mm (0.16 in)</b>
Flux Density	1.4 T
Magnet	Neodymium Ring
Basket Material	Steel
Demodulation	Copper Cap
Cone Surround (3)	Half Roll
NET Air Volume filled by Loudspeaker	0.105 dm <sup>3</sup> (0.004 ft <sup>3</sup> )
Spider Profile	1x constant height waves

## THIELE & SMALL PARAMETERS

Fs	110 Hz
Re	3.5 Ohm
Qes	0.4
Qms	6.6
Qts	0.38
Vas	1.8 dm <sup>3</sup> (0.06 ft <sup>3</sup> )
Sd	50.9 cm <sup>2</sup> (7.89 in <sup>2</sup> )
Xmax (4)	2.83 mm
Xdamage (5)	5.1 mm
Mms	4.3 g
Bl	5.4 N/A
Le	0.05 mH
Mmd	3.9 g
Cms	0.49 mm/N
Rms	0.5 kg/s
Eta Zero	0.64 %
EBP	275 Hz

