

# 4FE44



4" - 40 W - 97 dB - 8 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	7.2 mm (0.28 in)
<b>Net Weight</b>	<b>410 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)	3.7 kg (8.2 lb)

## PART NUMBER

Faston Terminals - 8 Ohm Version	01004414
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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) Treated Polycotton
- (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	7.2 Ohm
AES Power Handling (1)	40 W
<b>Maximum Power Handling (2)</b>	<b>80 W</b>
<b>Sensitivity (1W/1m)</b>	<b>97 dB</b>
Frequency Range	200-8000 Hz
<b>Voice Coil Diameter</b>	<b>25 mm (0.98 in)</b>
Winding Material	Cu
Former Material	Kapton
Winding Depth	5 mm (0.20 in)
<b>Magnetic Gap Depth</b>	<b>5 mm (0.20 in)</b>
Flux Density	1.7 T
Magnet	Neodymium Ring
Basket Material	Steel
Demodulation	No
Cone Surround (3)	M-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	150 Hz
Re	4.7 Ohm
Qes	0.35
Qms	5.23
Qts	0.33
Vas	1.1 dm <sup>3</sup> (0.04 ft <sup>3</sup> )
Sd	51.5 cm <sup>2</sup> (7.98 in <sup>2</sup> )
Xmax (4)	1.67 mm
Xdamage (5)	5.1 mm
Mms	3.9 g
Bl	7.2 N/A
Le	0.16 mH
Mmd	3.5 g
Cms	0.29 mm/N
Rms	0.7 kg/s
Eta Zero	1.05 %
EBP	429 Hz

