

# 3FE22



3" - 20 W - 91 dB - 16 Ohm

## NOMINAL SPECIFICATIONS

Nominal Diameter	80 mm (3 in)
Overall Diameter	105.6/81 mm (4.16/3.19 in)
Bolt Circle Diameter	92 mm (3.62 in)
Baffle Cutout Diameter	73.6 mm (2.90 in)
Depth	46 mm (1.81 in)
Flange and Gasket Thickness	6.5 mm (0.26 in)
<b>Net Weight</b>	<b>240 g (0.5 lb)</b>
Shipping Box (Single Carton Box - 36 units)	285 x 285 x 255 mm (11.2 x 11.2 x 10.0 in)
Shipping Weight (36 units)	10 kg (22.0 lb)

## PART NUMBER

Faston Terminals - 16 Ohm Version	00804099
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## NOTES:

Packaged and sold in multiples of 36 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	16 Ohm
Minimum Impedance	13.5 Ohm
AES Power Handling (1)	20 W
<b>Maximum Power Handling (2)</b>	<b>40 W</b>
<b>Sensitivity (1W/1m)</b>	<b>91 dB</b>
Frequency Range	100-20000 Hz
<b>Voice Coil Diameter</b>	<b>19 mm (0.75 in)</b>
Winding Material	Al
Former Material	Kapton
Winding Depth	5 mm (0.20 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	No
Cone Surround (3)	Half Roll
NET Air Volume filled by Loudspeaker	0.060 dm <sup>3</sup> (0.002 ft <sup>3</sup> )
Spider Profile	1x constant height waves

## THIELE & SMALL PARAMETERS

Fs	110 Hz
Re	12.3 Ohm
Qes	0.64
Qms	4.6
Qts	0.56
Vas	1.4 dm <sup>3</sup> (0.05 ft <sup>3</sup> )
Sd	33 cm <sup>2</sup> (5.12 in <sup>2</sup> )
Xmax (4)	1.83 mm
Xdamage (5)	7.3 mm
Mms	2.3 g
Bl	5.5 N/A
Le	0.1 mH
Mmd	2.1 g
Cms	0.91 mm/N
Rms	0.3 kg/s
Eta Zero	0.28 %
EBP	172 Hz

