

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) |
| Net Weight | 240 g (0.5 lb) |
| 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 |
|-----------------------------------|----------|

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 |
| Maximum Power Handling (2) | 40 W |
| Sensitivity (1W/1m) | 91 dB |
| Frequency Range | 100-20000 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 | 1.4 T |
| Magnet | Neodymium Ring |
| Basket Material | Steel |
| Demodulation | No |
| Cone Surround (3) | Half Roll |
| NET Air Volume filled by Loudspeaker | 0.060 dm ³ (0.002 ft ³) |
| 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 ³ (0.05 ft ³) |
| Sd | 33 cm ² (5.12 in ²) |
| 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 |

