4F35

4" - 30 W - 91 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: 58.3 mm (2.30 in)
Flange and Gasket Thickness: 7.2 mm (0.28 in)
Net Weight: 570 g (1.3 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 - 8 Ohm Version: 01004086

NOTES:
- Packaged and sold in multiples of 8 units
- 2 Hours Test According to AES 2-1984 Rev. 2003
- Maximum power is defined as 3dB greater than nominal power.
- NBR (Rubber)
- Magnetic Gap Depth: \( \frac{(\text{winding depth} - \text{magnetic gap depth})/2}{3} \)
- Maximum excursion before permanent damage

TECHNICAL PARAMETERS

Nominal Impedance: 8 Ohm
Minimum Impedance: 7.2 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: 6.8 mm (0.27 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: Half Roll

NET Air Volume filled by Loudspeaker: 0.150 dm³ (0.005 ft³)
Spider Profile: 1x constant height waves

THIELE & SMALL PARAMETERS

Fs: 100 Hz
Re: 6.5 Ohm
Qts: 4.2
Qms: 0.84
Vas: 2 dm³/3 (0.07 ft³/3)
Sd: 48 cm²/2 (7.44 in²/2)
Xmax (4): 2.73 mm
Xdage (5): 6.8 mm
Mms: 3.9 g
Bl: 3.9 N/A
Le: 0.1 mH
Mmd: 3.7 g
Cms: 0.65 mm/N
Rms: 0.6 Kg/s
Eta Zero: 0.19 %
EBP: 96 Hz