

10FH530

10" - 500 W - 96 dB - 16 Ohm



NOMINAL SPECIFICATIONS

| | |
|----------------------------------|---|
| Nominal Diameter | 250 mm (10 in) |
| Overall Diameter | 261 mm (10.28 in) |
| Bolt Circle Diameter | 246 mm (9.69 in) |
| Baffle Cutout Diameter | 230 mm (9.06 in) |
| Depth | 130 mm (5.12 in) |
| Flange and Gasket Thickness | 11.5 mm (0.45 in) |
| Net Weight | 7.5 kg (16.5 lb) |
| Shipping Box (Single Carton Box) | 294 x 290 x 203 mm (11.6 x 11.4 x 8.0 in) |
| Shipping Weight | 8 kg (17.6 lb) |

PART NUMBER

| | |
|-----------------------------------|----------|
| Faston Terminals - 16 Ohm Version | 02504226 |
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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 | 16 Ohm |
| Minimum Impedance | 15.5 Ohm |
| AES Power Handling (1) | 500 W |
| Maximum Power Handling (2) | 1000 W |
| Sensitivity (1W/1m) | 96 dB |
| Frequency Range | 70-4000 Hz |
| Voice Coil Diameter | 77 mm (3 in) |
| Winding Material | Al |
| Former Material | Glass Fiber |
| Winding Depth | 18.4 mm (0.72 in) |
| Magnetic Gap Depth | 10.5 mm (0.41 in) |
| Flux Density | 1.2 T |
| Magnet | Ferrite Ring |
| Basket Material | Aluminum |
| Demodulation | Aluminum Ring |
| Cone Surround (3) | Triple Roll |
| NET Air Volume filled by Loudspeaker | 2 dm ³ (0.071 ft ³) |
| Spider Profile | 1x variable height waves |

THIELE & SMALL PARAMETERS

| | |
|-------------|--|
| Fs | 67 Hz |
| Re | 12.8 Ohm |
| Qes | 0.4 |
| Qms | 10.9 |
| Qts | 0.39 |
| Vas | 20.2 dm ³ (0.71 ft ³) |
| Sd | 347 cm ² (53.79 in ²) |
| Xmax (4) | 7.45 mm |
| Xdamage (5) | 18.8 mm |
| Mms | 47.0 g |
| Bl | 25.1 N/A |
| Le | 1.42 mH |
| Mmd | 39.7 g |
| Cms | 0.12 mm/N |
| Rms | 1.81 kg/s |
| Eta Zero | 1.46 % |
| EBP | 168 Hz |

