

10HP1020

10" - 700 W - 96dB - 8 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 | 232 mm (9.13 in) |
| Depth | 141.3 mm (5.56 in) |
| Flange and Gasket Thickness | 12.5 mm (0.49 in) |
| Net Weight | 5.2 Kg (11.5 lb) |
| Shipping Box (Single Carton Box) | 294 x 290 x 203 mm (11.6 x 11.4 x 8.0 in) |
| Shipping Weight | 5.8 Kg (12.8 lb) |

PART NUMBER

| | |
|--------------------------------|----------|
| Push Terminals - 8 Ohm Version | 02503939 |
|--------------------------------|----------|

NOTES:

PATENTED IT 2006/000327

(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 | 7.3 Ohm |
| AES Power Handling (1) | 700 W |
| Maximum Power Handling (2) | 1400 W |
| Sensitivity (1W/1m) | 96 dB |
| Frequency Range | 60-2500 Hz |
| Voice Coil Diameter | 100 mm (4 in) |
| Winding Material | Al |
| Former Material | Glass Fiber |
| Winding Depth | 22 mm (0.87 in) |
| Magnetic Gap Depth | 12 mm (0.47 in) |
| Flux Density | 1.3 T |
| Magnet | Neodymium Slug |
| Basket Material | Aluminum |
| Demodulation | No |
| Cone Surround (3) | M-Roll |
| NET Air Volume filled by Loudspeaker | 2.2 dm ³ (0.078 ft ³) |
| Spider Profile | 2x non-adjacent symmetrical constant height waves |

THIELE & SMALL PARAMETERS

| | |
|-------------|--|
| Fs | 60 Hz |
| Re | 5.5 Ohm |
| Qes | 0.25 |
| Qms | 6.5 |
| Qts | 0.24 |
| Vas | 13.7 dm ³ (0.48 ft ³) |
| Sd | 315 cm ² (48.83 in ²) |
| Xmax (4) | 9.00 mm |
| Xdamage (5) | 12.5 mm |
| Mms | 72.5 g |
| Bl | 24.5 N/A |
| Le | 0.85 mH |
| Mmd | 69.0 g |
| Cms | 0.10 mm/N |
| Rms | 4.2 Kg/s |
| Eta Zero | 1.14 % |
| EBP | 240 Hz |

