

# 10PR320

10" - 300W - 96 dB - 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              | 230 mm (9.06 in)                             |
| Depth                               | 110 mm (4.33 in)                             |
| Flange and Gasket Thickness         | 12 mm (0.47 in)                              |
| <b>Net Weight</b>                   | <b>2.55 kg (5.6 lb)</b>                      |
| Shipping Box<br>(Single Carton Box) | 282 x 280 x 140 mm<br>(11.1 x 11.0 x 5.5 in) |
| Shipping Weight                     | 3.1 kg (6.8 lb)                              |

## PART NUMBER

|                                |          |
|--------------------------------|----------|
| Push Terminals - 8 Ohm Version | 02504280 |
|--------------------------------|----------|

## 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                    | 8 Ohm                                        |
| Minimum Impedance                    | 6.4 Ohm                                      |
| AES Power Handling (1)               | 300 W                                        |
| <b>Maximum Power Handling (2)</b>    | <b>600 W</b>                                 |
| <b>Sensitivity (1W/1m)</b>           | <b>96 dB</b>                                 |
| Frequency Range                      | 50÷4000 Hz                                   |
| <b>Voice Coil Diameter</b>           | <b>65 mm (2.56 in)</b>                       |
| Winding Material                     | Al                                           |
| Former Material                      | Glass Fiber                                  |
| Winding Depth                        | 17.4 mm (0.69 in)                            |
| <b>Magnetic Gap Depth</b>            | <b>8 mm (0.31 in)</b>                        |
| Flux Density                         | 1.2 T                                        |
| Magnet                               | Neodymium Slug                               |
| Basket Material                      | Aluminum                                     |
| Demodulation                         | No                                           |
| Cone Surround (3)                    | Triple Roll                                  |
| NET Air Volume filled by Loudspeaker | 1.3 dm <sup>3</sup> (0.046 ft <sup>3</sup> ) |
| Spider Profile                       | 1x variable height waves                     |

## THIELE & SMALL PARAMETERS

|             |                                              |
|-------------|----------------------------------------------|
| Fs          | 48 Hz                                        |
| Re          | 5.3 Ohm                                      |
| Qes         | 0.31                                         |
| Qms         | 4.6                                          |
| Qts         | 0.29                                         |
| Vas         | 52.7 dm <sup>3</sup> (1.86 ft <sup>3</sup> ) |
| Sd          | 347 cm <sup>2</sup> (53.71 in <sup>2</sup> ) |
| Xmax (4)    | 7.37 mm                                      |
| Xdamage (5) | 17 mm                                        |
| Mms         | 35.0 g                                       |
| Bl          | 13.5 N/A                                     |
| Le          | 0.57 mH                                      |
| Mmd         | 27.7 g                                       |
| Cms         | 0.31 mm/N                                    |
| Rms         | 2.3 kg/s                                     |
| Eta Zero    | 1.84 %                                       |
| EBP         | 155 Hz                                       |

