

# 10PR410

10" - 300 W - 99 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                            | 131 mm (5.16 in)                          |
| Flange and Gasket Thickness      | 11.5 mm (0.45 in)                         |
| <b>Net Weight</b>                | <b>7.5 kg (16.6 lb)</b>                   |
| Shipping Box (Single Carton Box) | 294 x 290 x 203 mm (11.6 x 11.4 x 8.0 in) |
| Shipping Weight                  | 8.1 kg (17.9 lb)                          |

## PART NUMBER

|                                  |          |
|----------------------------------|----------|
| Faston Terminals - 8 Ohm Version | 02504171 |
| Recone Kit - 8 Ohm Version       | R2504171 |

## 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                    | 6.8 Ohm                                    |
| AES Power Handling (1)               | 300 W                                      |
| <b>Maximum Power Handling (2)</b>    | <b>600 W</b>                               |
| <b>Sensitivity (1W/1m)</b>           | <b>99 dB</b>                               |
| Frequency Range                      | 100-2000 Hz                                |
| <b>Voice Coil Diameter</b>           | <b>65 mm (2.56 in)</b>                     |
| Winding Material                     | Al   |
| Former Material                      | Glass Fiber                                |
| Winding Depth                        | 12.5 mm (0.49 in)                          |
| <b>Magnetic Gap Depth</b>            | <b>10.5 mm (0.41 in)</b>                   |
| Flux Density                         | 1.3 T                                      |
| Magnet                               | Ferrite Ring                               |
| Basket Material                      | Aluminum                                   |
| Demodulation                         | Aluminum Ring                              |
| Cone Surround (3)                    | Accordion (4 Waves)                        |
| NET Air Volume filled by Loudspeaker | 2 dm <sup>3</sup> (0.070 ft <sup>3</sup> ) |
| Spider Profile                       | 1x variable height waves                   |

## THIELE & SMALL PARAMETERS

|             |  |
|-------------|--|
| Fs          | 60 Hz  |
| Re          | 5.4 Ohm                                      |
| Qes         | 0.23   |
| Qms         | 10.5   |
| Qts         | 0.23   |
| Vas         | 32.0 dm <sup>3</sup> (1.13 ft <sup>3</sup> ) |
| Sd          | 345 cm <sup>2</sup> (53.48 in <sup>2</sup> ) |
| Xmax (4)    | 4.50 mm                                      |
| Xdamage (5) | 12.2 mm                                      |
| Mms         | 36.5 g                                       |
| Bl          | 18.5 N/A                                     |
| Le          | 0.6 mH                                       |
| Mmd         | 29.3 g                                       |
| Cms         | 0.19 mm/N                                    |
| Rms         | 1.3 kg/s                                     |
| Eta Zero    | 3.09 %                                       |
| EBP         | 261 Hz                                       |

