

# 8PR210



8" - 200 W - 95 dB - 8 Ohm

## NOMINAL SPECIFICATIONS

|                                  |   |
|----------------------------------|---|
| Nominal Diameter                 | 200 mm (8 in)                           |
| Overall Diameter                 | 223.7/207.9 mm (8.81/8.18 in)           |
| Bolt Circle Diameter             | 210 mm (8.27 in)                        |
| Baffle Cutout Diameter           | 183 mm (7.20 in)                        |
| Depth                            | 98.5 mm (3.88 in)                       |
| Flange and Gasket Thickness      | 10.8 mm (0.43 in)                       |
| <b>Net Weight</b>                | <b>4.3 kg (9.5 lb)</b>                  |
| Shipping Box (Single Carton Box) | 235 x 235 x 155 mm (9.3 x 9.3 x 6.1 in) |
| Shipping Weight                  | 4.6 kg (10.1 lb)                        |

## PART NUMBER

|                                  |          |
|----------------------------------|----------|
| Faston Terminals - 8 Ohm Version | 02004166 |
|----------------------------------|----------|

## 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                    | 7 Ohm   |
| AES Power Handling (1)               | 200 W   |
| <b>Maximum Power Handling (2)</b>    | <b>400 W</b>                                  |
| <b>Sensitivity (1W/1m)</b>           | <b>95 dB</b>                                  |
| Frequency Range                      | 70-5000 Hz                                    |
| <b>Voice Coil Diameter</b>           | <b>52 mm (2 in)</b>                           |
| Winding Material                     | Al  |
| Former Material                      | Glass Fiber                                   |
| Winding Depth                        | 16.5 mm (0.65 in)                             |
| <b>Magnetic Gap Depth</b>            | <b>8 mm (0.31 in)</b>                         |
| Flux Density                         | 1.3 T   |
| Magnet                               | Ferrite Ring                                  |
| Basket Material                      | Aluminum                                      |
| Demodulation                         | Aluminum Ring                                 |
| Cone Surround (3)                    | Triple Roll                                   |
| NET Air Volume filled by Loudspeaker | 1.06 dm <sup>3</sup> (0.037 ft <sup>3</sup> ) |
| Spider Profile                       | 1x variable height waves                      |

## THIELE & SMALL PARAMETERS

|             |  |
|-------------|--|
| Fs          | 65 Hz  |
| Re          | 5.7 Ohm                                      |
| Qes         | 0.32   |
| Qms         | 3.1  |
| Qts         | 0.29   |
| Vas         | 15.4 dm <sup>3</sup> (0.55 ft <sup>3</sup> ) |
| Sd          | 216 cm <sup>2</sup> (33.48 in <sup>2</sup> ) |
| Xmax (4)    | 6.92 mm                                      |
| Xdamage (5) | 15.7 mm                                      |
| Mms         | 25.3 g                                       |
| Bl          | 13.5 N/A                                     |
| Le          | 0.46 mH                                      |
| Mmd         | 21.7 g                                       |
| Cms         | 0.24 mm/N                                    |
| Rms         | 3.4 kg/s                                     |
| Eta Zero    | 1.27 %                                       |
| EBP         | 203 Hz                                       |

