

# 6PR150

6" - 150 W - 97 dB - 8 Ohm



## NOMINAL SPECIFICATIONS

|                                     |                                            |
|-------------------------------------|--------------------------------------------|
| Nominal Diameter                    | 160 mm (6 in)                              |
| Overall Diameter                    | 186.5/162 mm (7.34/6.37 in)                |
| Bolt Circle Diameter                | 172 mm (6.77 in)                           |
| Baffle Cutout Diameter              | 147 mm (5.78 in)                           |
| Depth                               | 89 mm (3.50 in)                            |
| Flange and Gasket Thickness         | 9.3 mm (0.37 in)                           |
| <b>Net Weight</b>                   | <b>1.4 kg (3.1 lb)</b>                     |
| Shipping Box<br>(Single Carton Box) | 195 x 195 x 141 mm<br>(7.7 x 7.7 x 5.6 in) |
| Shipping Weight                     | 1.6 kg (3.5 lb)                            |

## PART NUMBER

|                                |          |
|--------------------------------|----------|
| Push Terminals - 8 Ohm Version | 01603976 |
| Recone Kit - 8 Ohm Version     | R1603976 |

## 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                    | 6.6 Ohm                                      |
| AES Power Handling (1)               | 150 W                                        |
| <b>Maximum Power Handling (2)</b>    | <b>300 W</b>                                 |
| <b>Sensitivity (1W/1m)</b>           | <b>97 dB</b>                                 |
| Frequency Range                      | 100-5000 Hz                                  |
| <b>Voice Coil Diameter</b>           | <b>52 mm (2 in)</b>                          |
| Winding Material                     | Cu                                           |
| Former Material                      | Glass Fiber                                  |
| Winding Depth                        | 7.3 mm (0.29 in)                             |
| <b>Magnetic Gap Depth</b>            | <b>6 mm (0.24 in)</b>                        |
| Flux Density                         | 1.35 T                                       |
| Magnet                               | Neodymium Ring                               |
| Basket Material                      | Aluminum                                     |
| Demodulation                         | Aluminum Ring                                |
| Cone Surround (3)                    | Half Roll                                    |
| NET Air Volume filled by Loudspeaker | 0.6 dm <sup>3</sup> (0.021 ft <sup>3</sup> ) |
| Spider Profile                       | 1x constant height waves                     |

## THIELE & SMALL PARAMETERS

|             |                                              |
|-------------|----------------------------------------------|
| Fs          | 100 Hz                                       |
| Re          | 5.5 Ohm                                      |
| Qes         | 0.35                                         |
| Qms         | 8.8                                          |
| Qts         | 0.34                                         |
| Vas         | 4.9 dm <sup>3</sup> (0.17 ft <sup>3</sup> )  |
| Sd          | 137 cm <sup>2</sup> (21.28 in <sup>2</sup> ) |
| Xmax (4)    | 2.65 mm                                      |
| Xdamage (5) | 11.6 mm                                      |
| Mms         | 13.5 g                                       |
| Bl          | 11.6 N/A                                     |
| Le          | 0.28 mH                                      |
| Mmd         | 11.7 g                                       |
| Cms         | 0.19 mm/N                                    |
| Rms         | 1.0 kg/s                                     |
| Eta Zero    | 1.38 %                                       |
| EBP         | 286 Hz                                       |

