

# 5PR160

5" - 120 W - 92 dB - 8 Ohm



## NOMINAL SPECIFICATIONS

|                                     |                                            |
|-------------------------------------|--------------------------------------------|
| Nominal Diameter                    | 130 mm (5 in)                              |
| Overall Diameter                    | 150/128,2 mm (5.91/5.05 in)                |
| Bolt Circle Diameter                | 139 mm (5.47 in)                           |
| Baffle Cutout Diameter              | 118 mm (4.65 in)                           |
| Depth                               | 74 mm (2.91 in)                            |
| Flange and Gasket Thickness         | 9 mm (0.35 in)                             |
| <b>Net Weight</b>                   | <b>0.85 Kg (1.9 lb)</b>                    |
| Shipping Box<br>(Single Carton Box) | 185 x 170 x 102 mm<br>(7.3 x 6.7 x 4.0 in) |
| Shipping Weight                     | 1.0 Kg (2.2 lb)                            |

## PART NUMBER

|                                |          |
|--------------------------------|----------|
| Push Terminals - 8 Ohm Version | 01304343 |
|--------------------------------|----------|

## 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                    | 6.1 Ohm                                       |
| AES Power Handling (1)               | 120 W                                         |
| <b>Maximum Power Handling (2)</b>    | <b>240 W</b>                                  |
| <b>Sensitivity (1W/1m)</b>           | <b>92 dB</b>                                  |
| Frequency Range                      | 100-6500 Hz                                   |
| <b>Voice Coil Diameter</b>           | <b>37 mm (1.45 in)</b>                        |
| Winding Material                     | Al                                            |
| Former Material                      | Kapton                                        |
| Winding Depth                        | 12.2 mm (0.48 in)                             |
| <b>Magnetic Gap Depth</b>            | <b>6 mm (0.24 in)</b>                         |
| Flux Density                         | 1.4 T                                         |
| Magnet                               | Neodymium Ring                                |
| Basket Material                      | Aluminum                                      |
| Demodulation                         | Aluminum Ring                                 |
| Cone Surround (3)                    | M-Roll                                        |
| NET Air Volume filled by Loudspeaker | 0.25 dm <sup>3</sup> (0.009 ft <sup>3</sup> ) |
| Spider Profile                       | 1x constant height waves                      |

## THIELE & SMALL PARAMETERS

|             |                                               |
|-------------|-----------------------------------------------|
| Fs          | 90 Hz                                         |
| Re          | 6.1 Ohm                                       |
| Qes         | 0.33                                          |
| Qms         | 4.4                                           |
| Qts         | 0.31                                          |
| Vas         | 3.7 dm <sup>3</sup> (0.13 ft <sup>3</sup> )   |
| Sd          | 85.2 cm <sup>2</sup> (13.21 in <sup>2</sup> ) |
| Xmax (4)    | 5.10 mm                                       |
| Xdamage (5) | 16.85 mm                                      |
| Mms         | 8.5 g                                         |
| Bl          | 9.6 N/A                                       |
| Le          | 0.3 mH                                        |
| Mmd         | 7.6 g                                         |
| Cms         | 0.37 mm/N                                     |
| Rms         | 1.1 Kg/s                                      |
| Eta Zero    | 0.83 %                                        |
| EBP         | 273 Hz                                        |

