

# 5PR120

5" - 100 W - 100 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                               | 69 mm (2.72 in)                            |
| Flange and Gasket Thickness         | 9 mm (0.35 in)                             |
| <b>Net Weight</b>                   | <b>0.82 kg (1.8 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

|                                  |          |
|----------------------------------|----------|
| Faston Terminals - 8 Ohm Version | 01304399 |
|----------------------------------|----------|

## NOTES:

- (1) 2 Hours Test According to AES 2-1984 Rev. 2003  
 (2) Maximum power is defined as 3dB greater than nominal power.  
 (3) NBR (Rubber)  
 (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                    | 5.9 Ohm                                       |
| AES Power Handling (1)               | 100 W                                         |
| <b>Maximum Power Handling (2)</b>    | <b>200 W</b>                                  |
| <b>Sensitivity (1W/1m)</b>           | <b>100 dB</b>                                 |
| Frequency Range                      | 300-5000 Hz                                   |
| <b>Voice Coil Diameter</b>           | <b>32 mm (1.26 in)</b>                        |
| Winding Material                     | Al                                            |
| Former Material                      | Kapton                                        |
| Winding Depth                        | 8.2 mm (0.32 in)                              |
| <b>Magnetic Gap Depth</b>            | <b>6 mm (0.24 in)</b>                         |
| Flux Density                         | 1.7 T                                         |
| Magnet                               | Neodymium Ring                                |
| Basket Material                      | Aluminum                                      |
| Demodulation                         | No                                            |
| Cone Surround (3)                    | Raised planar                                 |
| NET Air Volume filled by Loudspeaker | 0.18 dm <sup>3</sup> (0.006 ft <sup>3</sup> ) |
| Spider Profile                       | 1x constant height waves                      |

## THIELE & SMALL PARAMETERS

|             |                                                |
|-------------|------------------------------------------------|
| Fs          | 100 Hz                                         |
| Re          | 5 Ohm                                          |
| Qes         | 0.28                                           |
| Qms         | 8.0                                            |
| Qts         | 0.27                                           |
| Vas         | 4.2 dm <sup>3</sup> (0.15 ft <sup>3</sup> )    |
| Sd          | 102.2 cm <sup>2</sup> (15.84 in <sup>2</sup> ) |
| Xmax (4)    | 3.10 mm                                        |
| Xdamage (5) | 5.25 mm                                        |
| Mms         | 8.5 g                                          |
| Bl          | 10 N/A                                         |
| Le          | 0.17 mH                                        |
| Mmd         | 7.3 g                                          |
| Cms         | 0.30 mm/N                                      |
| Rms         | 0.7 kg/s                                       |
| Eta Zero    | 1.58 %                                         |
| EBP         | 357 Hz                                         |

