

# 10RS350

10" - 300 W - 91 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                               | 116.5 mm (4.59 in)                           |
| Flange and Gasket Thickness         | 17.1 mm (0.67 in)                            |
| <b>Net Weight</b>                   | <b>4.2 Kg (9.3 lb)</b>                       |
| Shipping Box<br>(Single Carton Box) | 282 x 280 x 140 mm<br>(11.0 x 11.0 x 5.5 in) |
| Shipping Weight                     | 4.8 Kg (10.6 lb)                             |

## PART NUMBER

|                                  |          |
|----------------------------------|----------|
| Faston Terminals - 8 Ohm Version | 02504215 |
|----------------------------------|----------|

## 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                    | 6 Ohm  |
| AES Power Handling (1)               | 300 W  |
| <b>Maximum Power Handling (2)</b>    | <b>600 W</b>                                 |
| <b>Sensitivity (1W/1m)</b>           | <b>91 dB</b>                                 |
| Frequency Range                      | 40-2500 Hz                                   |
| <b>Voice Coil Diameter</b>           | <b>65 mm (2.56 in)</b>                       |
| Winding Material                     | Al   |
| Former Material                      | Glass Fiber                                  |
| Winding Depth                        | 17.4 mm (0.69 in)                            |
| <b>Magnetic Gap Depth</b>            | <b>8 mm (0.31 in)</b>                        |
| Flux Density                         | 1.2 T  |
| Magnet                               | Ferrite Ring                                 |
| Basket Material                      | Aluminum                                     |
| Demodulation                         | No   |
| <b>Cone Surround (3)</b>             | <b>Half Roll</b>                             |
| NET Air Volume filled by Loudspeaker | 1.4 dm <sup>3</sup> (0.049 ft <sup>3</sup> ) |
| Spider Profile                       | 1x variable height waves                     |

## THIELE & SMALL PARAMETERS

|             |  |
|-------------|--|
| Fs          | 40 Hz  |
| Re          | 5.3 Ohm                                      |
| Qes         | 0.4  |
| Qms         | 5.2  |
| Qts         | 0.37   |
| Vas         | 39.5 dm <sup>3</sup> (1.39 ft <sup>3</sup> ) |
| Sd          | 322 cm <sup>2</sup> (49.91 in <sup>2</sup> ) |
| Xmax (4)    | 7.37 mm                                      |
| Xdamage (5) | 17.4 mm                                      |
| Mms         | 59 g   |
| Bl          | 14 N/A                                       |
| Le          | 0.95 mH                                      |
| Mmd         | 55.7 g                                       |
| Cms         | 0.27 mm/N                                    |
| Rms         | 3.53 Kg/s                                    |
| Eta Zero    | 0.61 %                                       |
| EBP         | 100 Hz                                       |

