

# 6RS140



6" - 200 W - 92 dB - 16 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 (5.79 in)                        |
| Depth                            | 76 mm (2.99 in)                         |
| Flange and Gasket Thickness      | 11 mm (0.43 in)                         |
| <b>Net Weight</b>                | <b>1.2 Kg (2.6 lb)</b>                  |
| Shipping Box (Single Carton Box) | 190 x 185 x 103 mm (7.5 x 7.3 x 4.1 in) |
| Shipping Weight                  | 1.3 Kg (2.9 lb)                         |

## PART NUMBER

|                                |          |
|--------------------------------|----------|
| Push Terminals - 8 Ohm Version | 01604300 |
|--------------------------------|----------|

## 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                    | 16 Ohm  |
| Minimum Impedance                    | 14 Ohm  |
| AES Power Handling (1)               | 200 W   |
| <b>Maximum Power Handling (2)</b>    | <b>400 W</b>                                  |
| <b>Sensitivity (1W/1m)</b>           | <b>92 dB</b>                                  |
| Frequency Range                      | 60-6000 Hz                                    |
| <b>Voice Coil Diameter</b>           | <b>44 mm (1.73 in)</b>                        |
| Winding Material                     | Al  |
| Former Material                      | Glass Fiber                                   |
| Winding Depth                        | 13 mm (0.51 in)                               |
| <b>Magnetic Gap Depth</b>            | <b>6 mm (0.24 in)</b>                         |
| Flux Density                         | 1.5 T   |
| Magnet                               | Neodymium Ring                                |
| Basket Material                      | Aluminum                                      |
| Demodulation                         | Aluminum Ring                                 |
| Cone Surround (3)                    | Half Roll                                     |
| NET Air Volume filled by Loudspeaker | 0.37 dm <sup>3</sup> (0.013 ft <sup>3</sup> ) |
| Spider Profile                       | 1x variable height waves                      |

## THIELE & SMALL PARAMETERS

|             |  |
|-------------|--|
| Fs          | 65 Hz  |
| Re          | 12.6 Ohm                                       |
| Qes         | 0.38   |
| Qms         | 6.0  |
| Qts         | 0.36   |
| Vas         | 8.5 dm <sup>3</sup> (0.30 ft <sup>3</sup> )    |
| Sd          | 122.6 cm <sup>2</sup> (19.00 in <sup>2</sup> ) |
| Xmax (4)    | 5.50 mm  |
| Xdamage (5) | 11.6 mm  |
| Mms         | 15.0 g   |
| Bl          | 14.2 N/A                                       |
| Le          | 0.34 mH  |
| Mmd         | 13.5 g   |
| Cms         | 0.4 mm/N                                       |
| Rms         | 1.02 Kg/s                                      |
| Eta Zero    | 0.6 %  |
| EBP         | 171 Hz   |

