

A robust weatherized speaker designed specifically for outdoor sound systems! The Oaktron 93136 is a 6.5" woofer with a powerful bass response, a robust and striking blue-painted steel frame, and a waterproof cone and surround--perfect for disguised speakers on lawns and in gardens.

- Weatherized woofer
- 6.5" (165 mm) steel basket diameter
- 40 watts, 8 ohm, 88 dB SPL
- 1" copper voice coil, aluminum former
- Ferrite magnet, polypropylene cone & surround



#### Primary Specifications

|  |             |
|--|-------------|
| <b>Size, Nominal (inch &amp; mm)</b>         | 6" (152 mm) |
| <b>Rated Impedance (<math>\Omega</math>)</b> | 8           |
| <b>Continuous Power (W)</b>                  | 40          |
| <b>Sensitivity (dB SPL) <sup>1</sup></b>     | 88          |
| <b>Frequency Range (Hz)</b>                  | 25 - 6, 000 |
| <b>Resonant Frequency (Fs) (Hz) +/- 15%</b>  | 40          |

### More Specifications

|   |         |
|---|---------|
| <b>Application</b>                              | Outdoor |
| <b>RoHS Compliant</b>                           | Yes     |
| <b>DC Resistance (Re) (<math>\Omega</math>)</b> | 5.6     |
| <b>Program Power (W)</b>                        | 80      |
| <b>Continuous Power (W)</b>                     | 40      |

### Small Signal Parameters

|  |        |
|--|--------|
| <b>Nominal Impedance (Z) (<math>\Omega</math>)</b>     | 8      |
| <b>DC Resistance (Re) (<math>\Omega</math>)</b>        | 5.6    |
| <b>Resonant Frequency (Fs) (Hz) +/- 15%</b>            | 40     |
| <b>Mechanical Q Factor (Qms)</b>                       | 4.73   |
| <b>Electrical Q Factor (Qes)</b>                       | 0.48   |
| <b>Total Q Factor (Qts)</b>                            | 0.43   |
| <b>Surface Area of Diaphragm (Sd) (cm<sup>2</sup>)</b> | 132.73 |
| <b>Compliance Equivalent Volume (Vas) (L)</b>          | 25.21  |
| <b>Maximum Linear Excursion (Xmax) (mm)</b>            | 2.43   |
| <b>Motor Force Factor (BL) (T•M)</b>                   | 6.76   |
| <b>Efficiency Bandwidth Product (EBP) (Fs/Qes)</b>     | 83.33  |

### Material Descriptions

|                                   |                    |
|-----------------------------------|--------------------|
| <b>Basket Type</b>                | Blue painted steel |
| <b>Terminal Size (mm)</b>         | 5.2 x 0.5          |
| <b>Voice Coil Diameter (mm)</b>   | 38.1               |
| <b>Voice Coil Wire Material</b>   | Copper             |
| <b>Voice Coil Former Material</b> | Aluminum           |
| <b>Magnet Material</b>            | Ferrite            |
| <b>Magnet Weight (g)</b>          | 566.99             |
| <b>Cone Body Material</b>         | Polypropylene      |
| <b>Cone Surround Material</b>     | Santoprene         |
| <b>Dust Cap Material</b>          | Polypropylene      |
| <b>Net Weight (kg)</b>            | 2.15               |

