### Series Max. Power Ratings

- **< 0.5 W**
- **> 0.5 W up to 1 W**
- **> 1 W up to 10 W**
- **> than 10 W**

### Standard Resistance Values

<table>
<thead>
<tr>
<th>Resistance Range</th>
<th>Value Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt; 0.1 Ω</td>
<td>0.1 Ω to 500 kΩ</td>
</tr>
<tr>
<td>0.1 Ω to 100 Ω</td>
<td>100 Ω to 511 kΩ</td>
</tr>
<tr>
<td>1 Ω to 10 MΩ</td>
<td>100 kΩ to 10 MΩ</td>
</tr>
<tr>
<td>10 Ω to 1 MΩ</td>
<td>1 kΩ to 2 MΩ</td>
</tr>
<tr>
<td>100 Ω to 10 MΩ</td>
<td>10 kΩ to 100 kΩ</td>
</tr>
<tr>
<td>1 kΩ to 100 kΩ</td>
<td>100 kΩ to 10 MΩ</td>
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<td>10 MΩ to 1 GΩ</td>
<td>1 GΩ to 10 GΩ</td>
</tr>
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<td>1 GΩ to 10 GΩ</td>
</tr>
<tr>
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<td>1 GΩ to 10 GΩ</td>
</tr>
<tr>
<td>10 GΩ to 1 TΩ</td>
<td>1 TΩ to 10 TΩ</td>
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</tr>
<tr>
<td>100 TΩ to 1000 TΩ</td>
<td>1000 TΩ to 10 GΩ</td>
</tr>
</tbody>
</table>

### Values

- **± 2 ppm**
- **± 5 ppm**
- **± 10 ppm**
- **± 20 ppm**
- **± 50 ppm**
- **± 100 ppm**
- **± 200 ppm**
- **± 500 ppm**
- **± 1000 ppm**
- **± 2000 ppm**
- **± 5000 ppm**
- **± 10 000 ppm**

### Power Ratings

- **0.0189 W to 0.2 W**
- **0.031 W to 0.2 W**
- **0.15 W to 0.4 W**
- **0.2 W to 0.5 W**
- **0.25 W to 0.5 W**
- **0.5 W to 2.0 W**
- **0.75 W to 4.0 W**
- **1.0 W to 5.0 W**
- **1.5 W to 10.0 W**
- **2.5 W to 20.0 W**
- **5.0 W to 50.0 W**
- **10.0 W to 200.0 W**
- **50.0 W to 1000.0 W**
- **500.0 W to 20 000.0 W**

### Tolerance

- **5 %**
- **± 0.1 %**
- **± 0.2 %**
- **± 0.5 %**
- **± 1 %**
- **± 2 %**
- **± 5 %**
- **± 10 %**
- **± 20 %**
- **± 50 %**
- **± 100 %**

### Case Sizes

- **0402 to 2010**
- **0505 to 2512**
- **0603 to 2512**
- **0805 to 2512**
- **1206 to 2512**
- **2010 to 2512**

### Resistance Coefficient

- **High precision / high stability**
- **Excellent overall stability**
- **High operating voltage up to 1000 V**
- **High power dissipation**
- **Low value axial leaded, molded**
- **Fireproof ceramic body**
- **Through-hole shunts**
- **Partial discharge free, thick film**
- **Wirewound assembly**

**Vishay Intertechnology** is the one manufacturer for high-power and precision components for demanding and diverse applications.
UNFOLD OUR RESISTOR CAPABILITIES