HIGH MEGOHM CHIP RESISTORS
HR SERIES

- Resistance Range: 1MΩ to 1TΩ (10^{15}Ω)
- Standard Tol: ±5% up to 500MΩ, ±10/20/50% >500MΩ
- Choice of terminations: lead-free, tin/lead, or gold
- Low cost, popular models available from stock
- Excellent thermal, voltage, and environmental stability

HR SERIES - Industry’s Highest Value Chip Resistors!
RCD’s HR Series offers excellent stability for applications requiring high ohmic values such as X-Ray equipment, photomultipliers, ionization detectors and other circuits which involve low signal detection or amplification. The excellent performance of the HR Series also makes them ideal as an input resistor in many high impedance voltage dividers.

SPECIFICATIONS

<table>
<thead>
<tr>
<th>RCD Type</th>
<th>Wattage</th>
<th>Max. Working Voltage</th>
<th>Termination Type</th>
<th>Resistance Range</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>HR0402</td>
<td>0.063W</td>
<td>50V</td>
<td>W</td>
<td>1M - 470M</td>
<td>A ± .01 [2.54]</td>
</tr>
<tr>
<td>HR0503</td>
<td>0.03W</td>
<td>50V</td>
<td>S</td>
<td>1M - 100M</td>
<td>B ± .01 [2.54]</td>
</tr>
<tr>
<td>HR0603</td>
<td>0.1W</td>
<td>50V</td>
<td>W</td>
<td>1M - 10G</td>
<td>H Max.</td>
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<tr>
<td>HR0805</td>
<td>0.125W</td>
<td>150V</td>
<td>W</td>
<td>1M - 1T</td>
<td>t Typ.</td>
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<tr>
<td>HR1206</td>
<td>0.25W</td>
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<td>W</td>
<td>1M - 1T</td>
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<tr>
<td>HR1210</td>
<td>0.33W</td>
<td>200V</td>
<td>W</td>
<td>1M - 470M</td>
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<tr>
<td>HR2010</td>
<td>0.5W</td>
<td>200V</td>
<td>W</td>
<td>1M - 470M</td>
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<tr>
<td>HR2512</td>
<td>1W</td>
<td>250V</td>
<td>W</td>
<td>1M - 1G</td>
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</tr>
</tbody>
</table>

- Consult factory for resistance values outside of the standard range

TYPICAL PERFORMANCE CHARACTERISTICS

- Voltage Coef: 5V-15V
- Temperature Coef. (25-125°C)
- Thermal Shock (-55° to +125°C)
- Short Time Overload (2 x Max V, 5S)
- Low Temp. Operation (-55°C, 1 hr)
- High Temp. Exposure (125°C, 100 hrs)
- Resistance to Solder Heat
- Moisture Resistance
- Load Life (1000 hrs.)
- DC Resistance (within tol. @ 50V 25°C)

DERATING CURVE
Resistors may be operated up to full rated power & voltage, with consideration of mounting layout and environmental conditions

P/N DESIGNATION:

RCD Components Inc, 520 E. Industrial Park Dr, Manchester, NH, USA 03109  rcdcomponents.com  Tel: 603-669-0054  Fax: 603-669-5455  Email: sales@rcdcomponents.com

Sale of this product is in accordance with GF-061. Specifications subject to change without notice.