# Series RF Precision Power Resistor, Non-Inductive.

**High Frequency Non Inductive Performance**
- Full power and various ohmic ratings

* Resistance tolerances offered from 1.0% to 5%
* Load Life Stability of 0.5% per 1000 hours.
* Various Models of Resistance Value up to Megohms available.
* Build up High Power RF Termination System:
  - 10kW, 50kW, 300kW System in oil or water forced, required tank & chiller System.

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<td></td>
<td></td>
<td>A</td>
<td>B</td>
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<tr>
<td>RF07</td>
<td>0.7</td>
<td>2.5</td>
<td>20R 200K</td>
<td>15(.59)</td>
<td>5.0 (.196)</td>
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<td>RF2</td>
<td>2.0</td>
<td>5.5</td>
<td>20R 200K</td>
<td>24.0+/-.15 (.944)</td>
<td>8.0+/-.10 (.314)</td>
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<td>RF3</td>
<td>3.0</td>
<td>10</td>
<td>20R 200K</td>
<td>39.0+/-.15 (1.535)</td>
<td>8.0+/-.10 (.314)</td>
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<td>RF5</td>
<td>5.0</td>
<td>15</td>
<td>20R 200K</td>
<td>52.0+/-.15 (2.047)</td>
<td>8.0+/-.10 (.314)</td>
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<td>RF50</td>
<td>50</td>
<td>35</td>
<td>20R 200K</td>
<td>110+/-.15 (4.33)</td>
<td>32+/-.15 (1.26)</td>
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<tr>
<td>RF100</td>
<td>100</td>
<td>70</td>
<td>20R 200K</td>
<td>210+/-.15 (8.50)</td>
<td>32+/-.15 (1.26)</td>
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<tr>
<td>RF150</td>
<td>150</td>
<td>100</td>
<td>20R 200K</td>
<td>310+/-.15 (12.2)</td>
<td>32+/-.15 (1.26)</td>
</tr>
<tr>
<td>RF200</td>
<td>200</td>
<td>100</td>
<td>20R 200K</td>
<td>310+/-.15 (12.2)</td>
<td>42+/-.15 (1.65)</td>
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DIMENSIONS [mm]

DERATING CURVE

APPLICATION GUIDE ; RF SERIES

- RF Termination
- RF Dummy Load
- Wave Form Load
- High Frequency
- Charging/Discharging
- AVR, UPS
- Current dividing
- Elevators control
- Electrical Trains
- Experimentals
- High Frequency Circuits
- Inverters
- Power Braking
- Military
- Hoist Cranes
- Motor Dynamic Braking
- Industrial Vehicles

Resistance Tolerance :
1%, 2%, 5%

Temperature Coefficient :
Std. 100ppm/°C, referenced to 25°C, from -15°C to +105°C, other TCR available upon requests.

Overload :
5times rated power with applied voltage not to exceed 1.5times Max.
continuous operating voltage for 5seconds, overload/overvoltage ΔR 0.50% typ.

Thermal Shock :
Mil-Std-202, Method-107, Cond. C, ΔR 0.50% max.

Load Life :
1.000 hours at rated power ΔR 0.5% at DC AC. ΔR 3.0% at repetitive pulse energy

Moisture Resistance :
Mil-Std-202, Method 106, ΔR 0.50% max.

Insulation Resistance :
10,000 Megohms Min.

Termination Cap of Material :
RF07~RF5; Tinned Cap & Wire
RF50~RF200; AL alloy Cap M6.

Encapsulation :
High frequency silicone conformal, Glass

cf.: The described specifications & dimensions subject to change without notice.