

Series RHP 200 Power Resistor

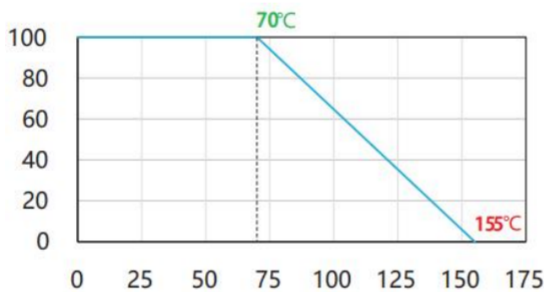
This unique design allows you to use this elements in the following areas: variable speed drives, power supplies, control devices, telecommunications, robotics, motor controls and other switching devices.

- 1 x 200 W / 2 x 100w / 3 x 67w operating power
- TO-227 package configuration
- Non-Inductive design
- ROHS compliant
- Materials in accordance with UL 94 V-0



Product Detail:

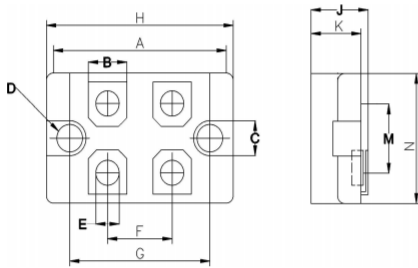
1. Derating



Derating (thermal resist.) RHP200: 2.35W/K (0.43 K/W)

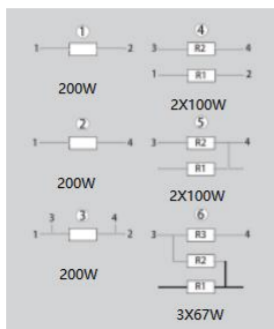
Best results can be reached by using a thermal transfer compound with a heat conductivity of at least 1 W/mK. The flatness of the cooling plate must be better than 0.05 mm overall. Surface roughness should not exceed 6.4 μm.

2. Dimensions in millimeters



	Min (mm)	Max
A	36.5	37.5
B	7.90	8.20
C	7.90	8.20
D	4.00	4.30
E	5.00	5.20
F	14.80	15.30
G	29.90	30.10
H	39.80	40.20
J	16.00	17.00
K	12.90	13.10
M	11.90	12.30
N	25.90	26.30

Configurations(P/package)



3. Specifications

Resistance ranges: $1\ \Omega \leq 1\ \text{M}\Omega$ (other values on special request)

Resistance Tolerance: $\pm 1\%$ to $\pm 10\%$

Temperature Coefficient: $\pm 50\text{PPM}/^\circ\text{C} \sim \pm 250\text{PPM}/^\circ\text{C}$ (at $+85^\circ\text{C}$ ref. to $+25^\circ\text{C}$)

Power rating: 200 W at 85°C bottom case temperature

Maximum operating voltage: 500 V (up to 1,500 V DC on special request = "S"-version)

Short time overload: 1,5x rated power for 10 sec, $\Delta R = 0.4\%$ max. (for conf. 1, 2 and 3)

Electric strength voltage: 5 kV DC (3 kV AC, higher values on special request)

between terminal and case

Mounting - torque Torque: 1.0 Nm to 1.2 Nm

Heat resistance to cooling plate: $R_{th} < 2.35\ \text{K/W}$

Weight: ①② ~34g ③④⑤⑥ ~38g

4. Ordering Information

Type	ohmic Value	TOL
RHP200	20K	5%