Series RHP 150 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 150 W / 2 x 75w / 3 x 50w operating power

■TO-227 package configuration

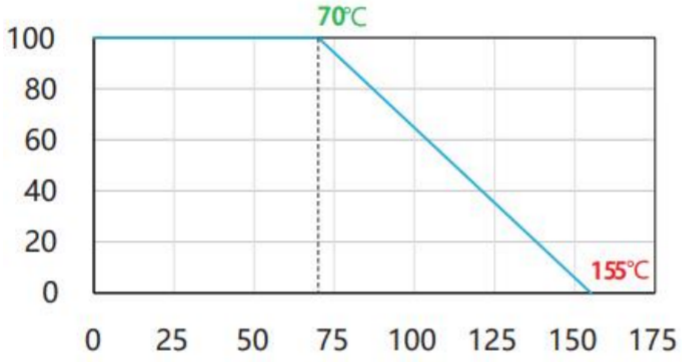
■Non-Inductive design

■ROHS compliant

■Materials in accordance with UL 94 V-0

Product Detail:

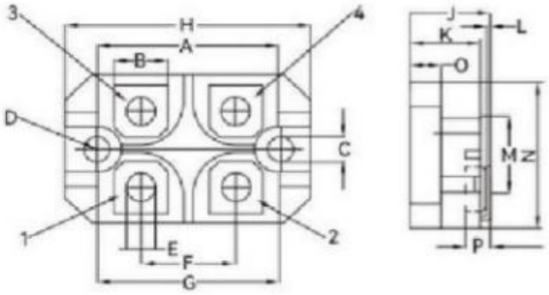
1. Derating



Derating (thermal resist.) RHP150: 1.76 W/K (0.57 K/W)

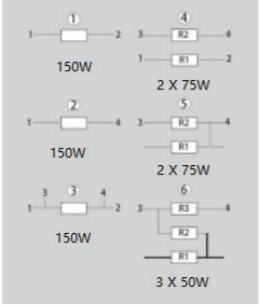
Best results can be reached by using a thermal transfer compound with a heat conductivity of at least 1 W/mK. The flatness of the cooling plate must be better than 0.05 mm overall. Surface roughness should not exceed 6.4 µm.

2. Dimensions in millimeters



	Min(mm)	Max
A	31.00	31.70
B	7.80	8.20
C	4.10	4.30
D	4.00	----
E	4.40	4.60
F	15.00	15.20
G	30.00	30.30
H	39.80	40.20
J	13.80	14.40
K	10.90	11.30
L	0.75	0.85
M	12.60	12.80
N	25.80	26.50
O	1.95	2.05
P	5.30	

Configurations(P/package)



3. Specifications

Resistance ranges：1 Ω ≤ 1 MΩ (other values on special request)

Resistance Tolerance： ±1% to ± 10 %

Temperature Coefficient： ±50PPM/℃ ~ ±250PPM/℃ (at +85°C ref. to + 25°C)

Power rating:150 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, ΔR = 0.4% max. (for conf. 1, 2 and 3)

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

between terminal and case

Mounting - torqueTorque:1.0 Nm to 1.2 Nm Heat resistance to cooling plate:Rth < 1.76 K/W

Weight:①② ~15.5g ③④⑤⑥~20g

4. Ordering Information

Type	ohmic Value	TOL
RHP150	20K	5%