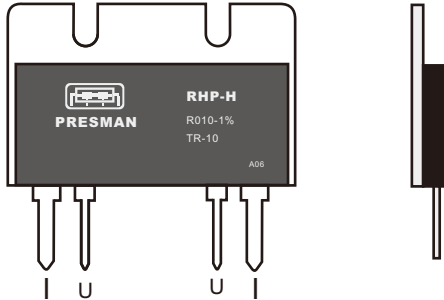


RHP-H

Features



- # Up to 15 W permanent power
- # Max. permanent current: 120 A(1mOhm)
- # Very high precision of tolerance and TCR
- # 4-terminal connection
- # Thermal design of reliability

Applications

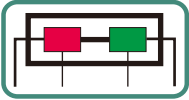
- # Measurement equipment
- # reference resistors in laboratories
- # High precision current source
- # Laboratory power supplies

Technical data

Resistance values	Ohm	0.001 to 0.1
Tolerance	%	0.05 / 1
Temperature coefficient (0-80°C)	ppm/K	<3 / 10
Applicable temperature range	°C	-55 to +140
Power rating	W	5 / 15 (on a heatsink)
Thermal resistance to ambient(Rth)	K/W	<10
Thermal resistance to aluminium substrat (Rthi)	K/W	<3
Dielectric withstanding voltage	V	AC/DC 2000
Inductance	nH	<10
Load Life Stability		±0.05%MaxΔR,<10w on heat sink at +25°C,2000 hours
		±0.01%MaxΔR,<5w on heat sink at +25°C,2000 hours

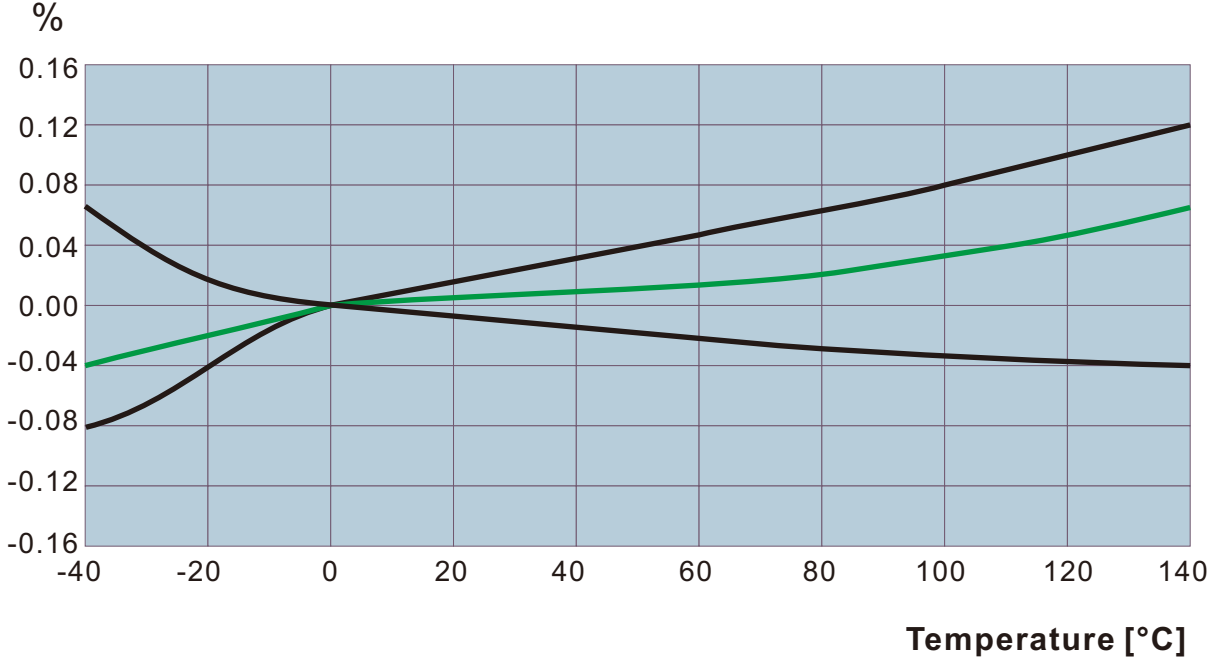
*The radiator is arranged

According to the maximum power used to measure the temperature of radiator. the maximum not more than 80°C.



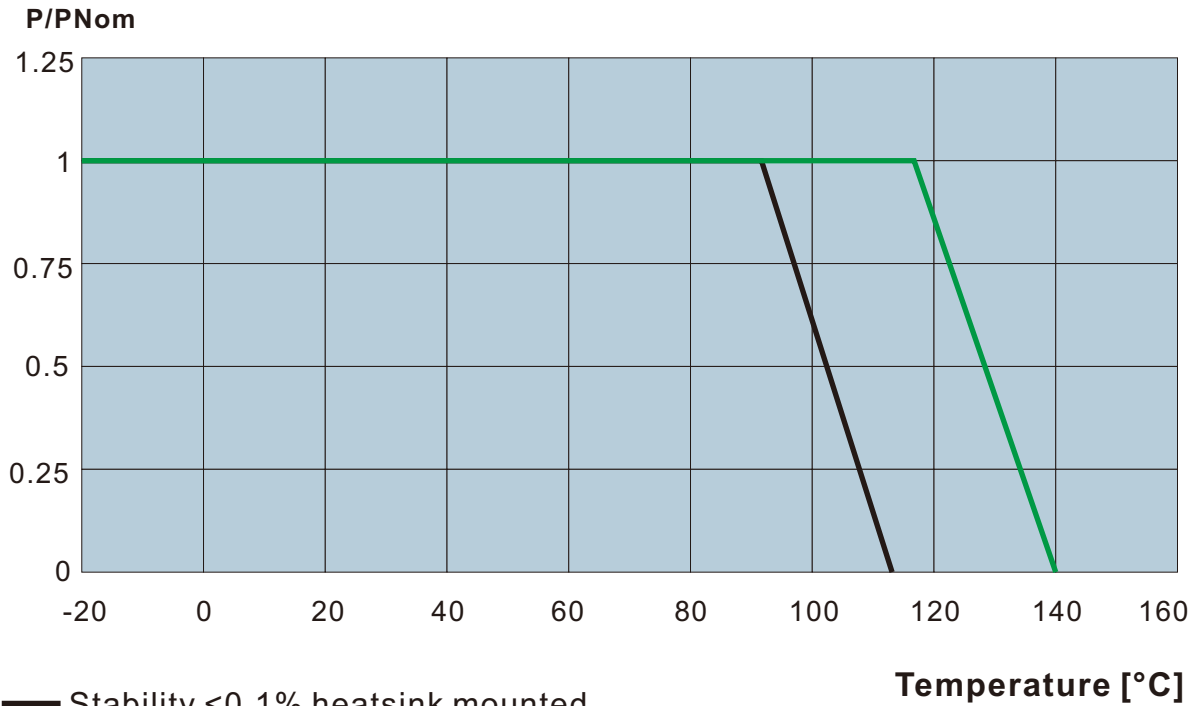
RHP-H

Temperature dependence of the electrical resistance of RHP-H resistors (range ± 10 ppm/K)

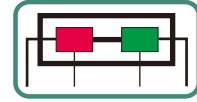


- Limiting curve
- typical temperature dependence of a RHP-H resistor

Power derating curve



- Stability < 0.1% heatsink mounted
- Stability < 0.2% heatsink mounted



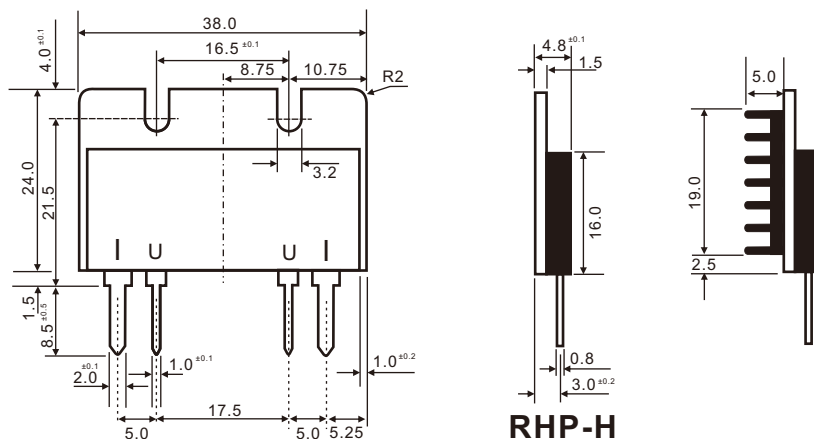
RHP-H Standard resistance values and tolerances

Resistance values	Tolerance			
	0.05%	0.1%	0.5%	1%
R001-R005	✓	✓	✓	✓
R006-R010	✓	✓	✓	✓
R020	✓	✓	✓	✓
R040	✓	✓	✓	✓
R050	✓	✓	✓	✓
R075	✓	✓	✓	✓
R100-10R0	✓	✓	✓	✓
100R0	✓	✓	✓	✓

standard Temperature coefficient and tolerances (ppm/K)

Resistance values	Temperature coefficient		
	3PPM/K	5PPM/K	10PPM/K
R001-R005	✓	✓	✓
R006-R010	✓	✓	✓
R020	✓	✓	✓
R040	✓	✓	✓
R050	✓	✓	✓
R075	✓	✓	✓
R100-2R00	✓	✓	✓
100R0	✓	✓	✓

Mechanical dimensions [mm]



RHP-H