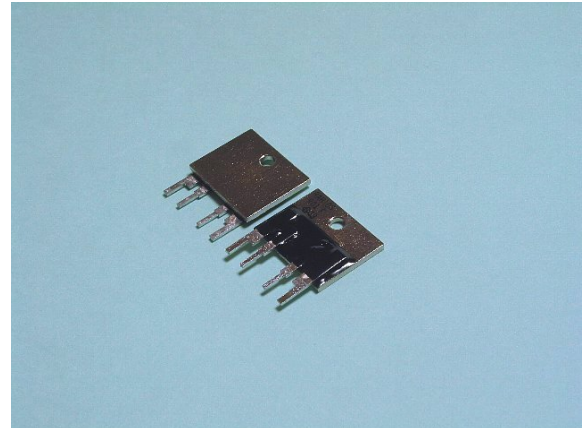


4-TERMINALS MILLI-OHM RESISTORS

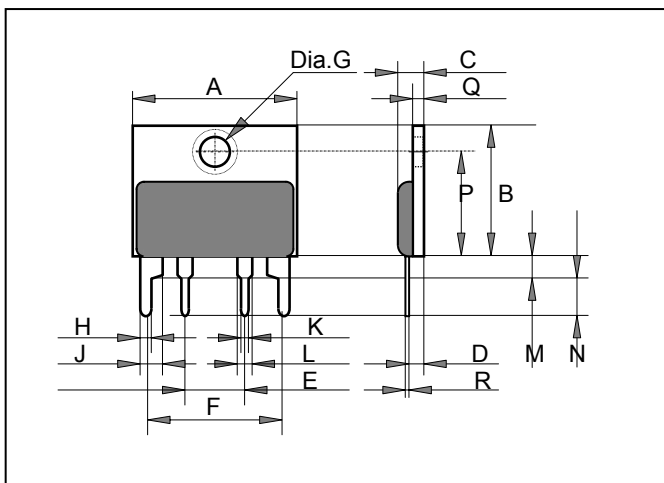
RAH10S



Features and Applications

- Milli-ohm precision resistor with Kelvin four terminals in open package.
- 1mohm to 10mohm resistance range.
- 1% and 5% tolerance and stable +/-30ppm/C (typical) TCR and 30A operating current.
- Small size and thin profile suitable for high density design.
- Complete heat conduction, heat dissipation design and vibration durable design available.
- Applicable in circuit board testing, IC testing, precision measurements, precision power supply, UPS, battery charging, power modules, motor drive control, actuator drive circuits, automotive electronics and industrial computers.

Dimensions (mm)



	(mm)
A	22+/-0.5
B	17.5
C	4.0 max
D	3.0+/-0.5
E	7.6+/-0.2
F	17.8+/-0.2
G	3.5+/-0.3
H	1.4+/-0.2
J	3.0+/-0.2
K	1.0+/-0.2
L	2.0+/-0.2
M	3.0+/-0.2
N	5.0+/-0.2
P	14.0+/-0.3
Q	1.5+/-0.2
R	0.7+/-0.3

Ordering Information

P/N	Type	TCR	Resistance	Tolerance	Note
RAH10SCR002F000	RAH10S	+/-50ppm(C)	0.001Ohm	+/-1%(F)	
RAH10SCR005J000	RAH10S	+/-50ppm(C)	0.005Ohm	+/-5%(J)	
RAH10SCR010F000	RAH10S	+/-50ppm(C)	0.010Ohm	+/-1%(F)	

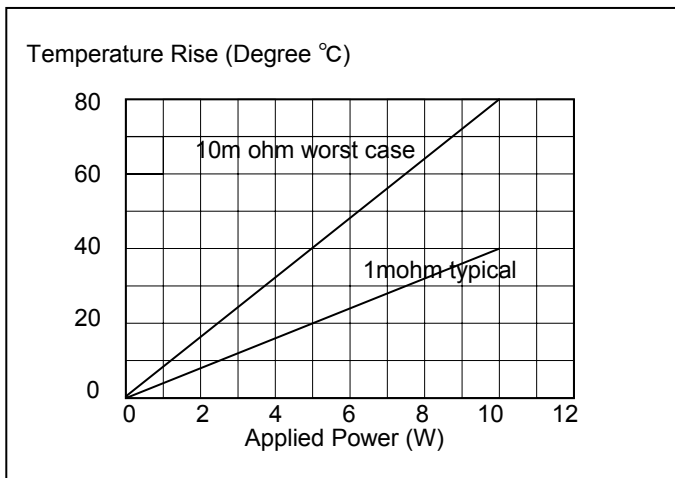
4-TERMINALS MILLI-OHM METAL PLATE RESISTORS

RAH10S

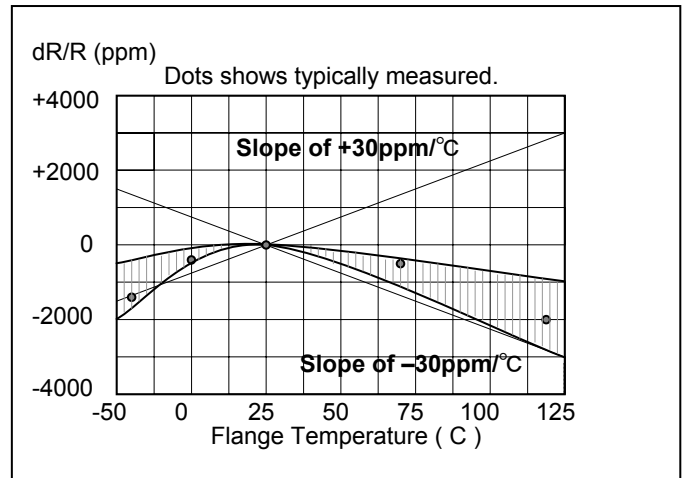
Specifications and Performances

	Specification	Test Conditions
Rating Power	10 Watt	Below 25 C flange temperature.
Rating Power	2 Watt	Free air.
Heat Resistance,	8.0 K/W	Resistor-Flange
Max. Operating Current	100 A at 1mohm	Short time overload, 2.5 seconds.
Resistance Range	0.001-0.010 ohm	
Nominal Resistance	1-2-3-4-5-6-8-10 mOhm	
TCR	+/-50 ppm/°C	For -40 to +120 C
Tolerance	+/-0.5%, +/-1% and +/-5%	
Operation Temp. Range	-55 to +120 °C	
Storage Temp. Range	-55 to +120 °C	
Withstanding Voltage	500 Volt	60 seconds.
Load Life	+/-1.0 %	25 C, 90 min. ON, 30min.OFF, 1000hours.
Humidity	+/-1.0 %	40C, 90-95%RH, DC0.1W, 1000hours.

Temperature Rise



Temperature Coefficient



Note

(1) Screw mounting shall be necessary to be increased vibration durability because terminals are strong to bending force.

