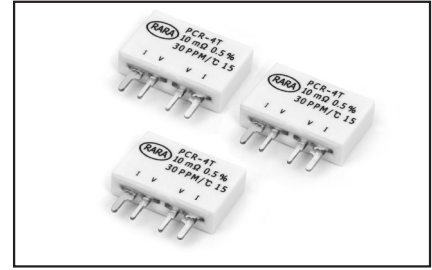


Precision Current Sensing Resistors

Precision cement resistors designed with four terminals, are distinguished by excellent long term stability & TCR. The Kelvin connections of this device allow high precision measurements even with low resistance values. PCR 4T has a non-inductive copper manganin element inserted into the ceramic case and finally sealed with a cement molding. This resistor has low inductance and has high pulse power. Applications include: Power modules, frequency converters, switch mode power supplies.



GENERAL SPECIFICATIONS

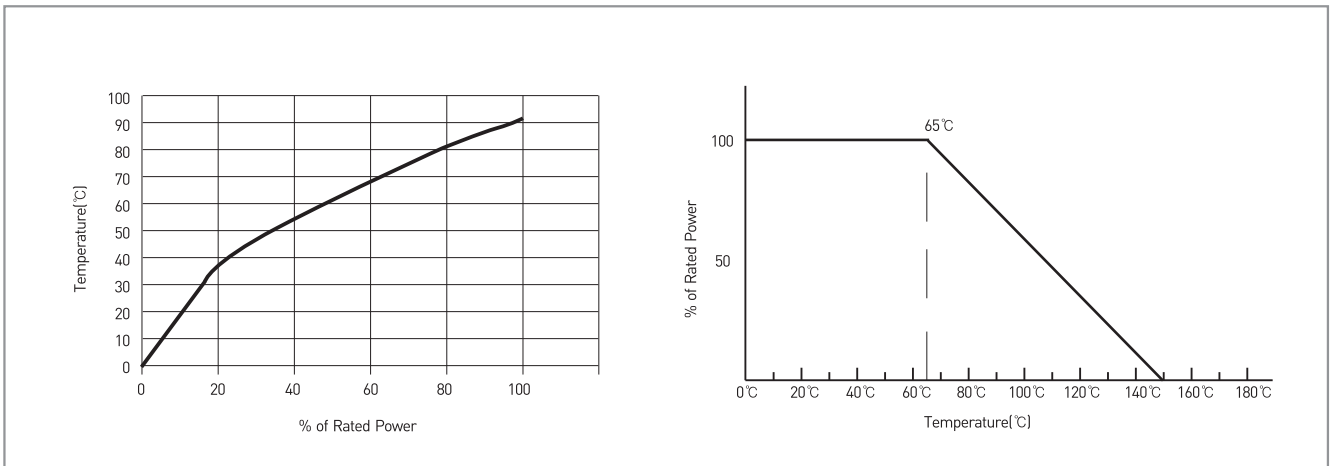
Model	Power Rating[W]	Resistance Range[Ω]	Tolerance[%]	TCR[ppm/°C]	Operating Temp. Range
PCR-4T	Max. 3	1mΩ ~ 10mΩ	±0.5, ±1, ±5	±30 ppm/°C (20°C to 60°C)	-40°C ~ +150°C

CHARACTERISTICS

Values in [] mean change in Ω after test

Temperature Range					-40°C ~ +150°C
Insulation Resistance					DC500V, 20MΩ minimum
Dielectric Withstanding Voltage					AC 1500V for 1minute
Temperature Coefficient					Maximum 30ppm/°C [20°C to 60°C]
Short Time Overload		[±0.2%]			2.5 X Power rating 5seconds
Load Life		[±1.0%]			Power rating 1.5 hours on, 30 minutes off, 500 hours

SURFACE TEMPERATURE INCREASE VERSUS POWER LOAD AND DERATING CURVE



DIMENSIONS [mm]

