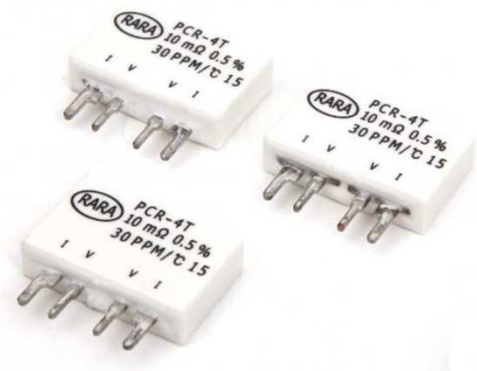


Precision Cement Resistor

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

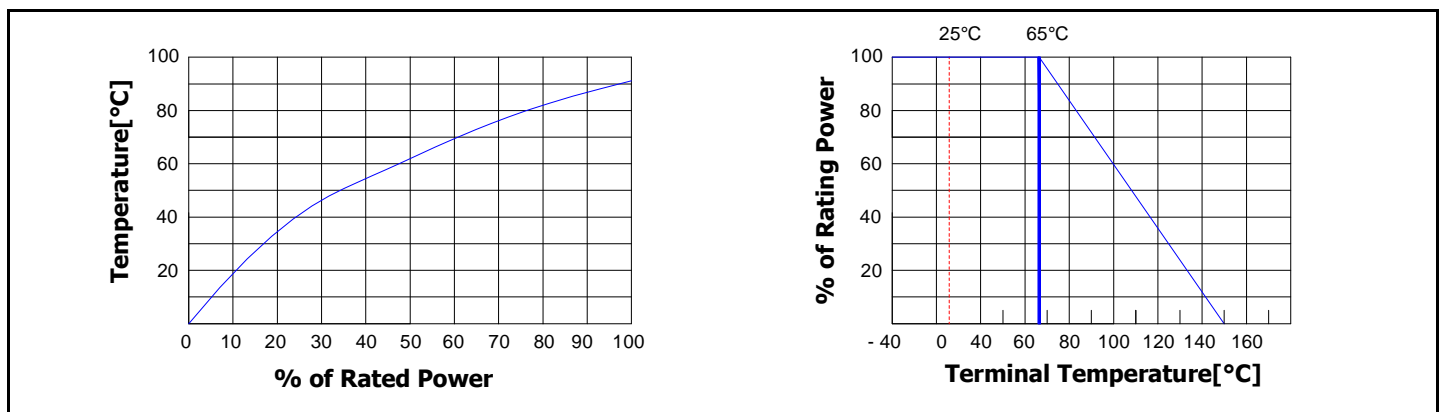
Model	Rated Power [W]	Resistance Range [Ω]	Tolerance [%]	TCR [ppm/°C]	Operating Temp. Range[°C]
PCR-4T	Max 3	1mΩ ~ 10mΩ	D [±0.5%], F [±0.5%], J [±0.5%]	±30 ppm/°C [20°C to 60°C]	-40°C ~ +150°C

CHARACTERISTICS

Values in [] mean Change in Ω After Test

Operating Temp.	- 40 ~ +150°C				
Insulation Resistance	DC500V, 20MΩ minimum				
Dielectric Strength	Available options : AC1500V, for 1min (Max leakage current : 2mA)				
Temperature Coefficient	Max ± 30ppm/°C[20°C to 60°C]				
Short Time Overload	±[0.2%]	2.5 X Power rating, 5 sec			
Load Life	±[1.0%]	Power rating 1.5 Hours on, 30 min Off 500 Hours			

SURFACE TEMPERATURE INCREASE VERSUS POWER LOAD



Dimension [mm]

