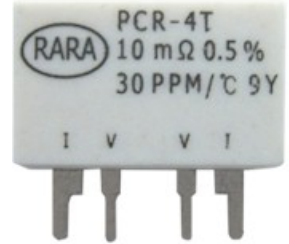




Precision Cement Resistor

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.

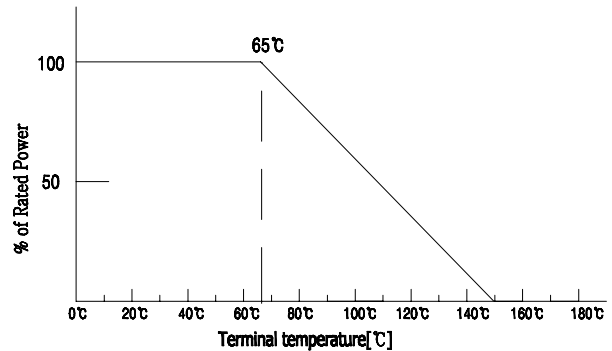
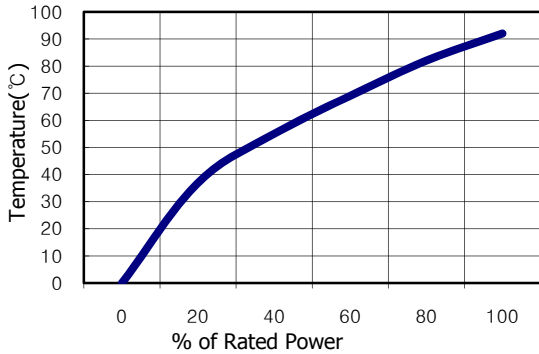
GENERAL SPECIFICATION

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

CHARACTERISTICS

Temperature Range		-40C to +150C
Insulation Resistance		DC500V,20MΩ minimum
Dielectric Withstanding Voltage		AC 1500V for 1 minute
Temp. Coefficient		Max. 30ppm/C [20C and 60C]
Short Time Overload	[±0.2%]	2.5 X Power rating 5 sec.
Load Life	[±0.5%]	Power rating 1.5 hours on, 30 minutes off, 500 hours

SURFACE TEMPERATURE & DERATING CURVE



DIMENSIONS[mm]

