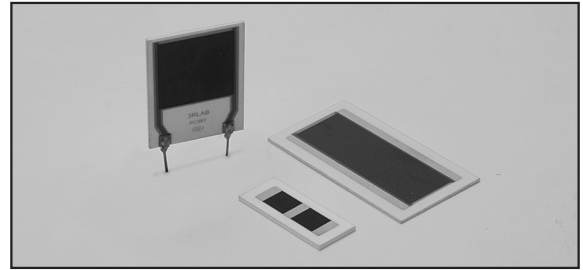


Power Chip Resistors

- Light weight
- Higher power PCB designs
- High power density
- Wide resistance range
- Non inductive
- Low cost
- Applications: In rush current limiters, snubber circuits, power supply preloads, UPS systems



GENERAL SPECIFICATIONS

Model	Resistance[Ω]		Power Rating[W]	Maximum Working Voltage	Tolerance[%]	TCR[ppm/°C]
	Minimum from	Maximum up to				
PC203	1	1M	3.0	350VAC, 500VDC	K (±10) M (±20)	±100ppm/°C ~±300ppm/°C Referenced to 25°C
PC205	1	1M	5.0	350VAC, 500VDC		
PC207	1	1M	7.5	350VAC, 500VDC		
PC015	1	1M	15.0	350VAC, 500VDC		
PC025	1	1M	25.0	350VAC, 500VDC		
PC050	1	1M	50.0	350VAC, 500VDC		
PC0100	1	1M	100.0	350VAC, 500VDC		

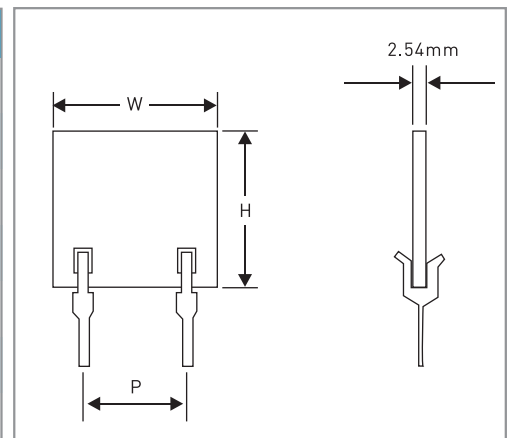
CHARACTERISTICS

Values in [] mean change in Ω after test

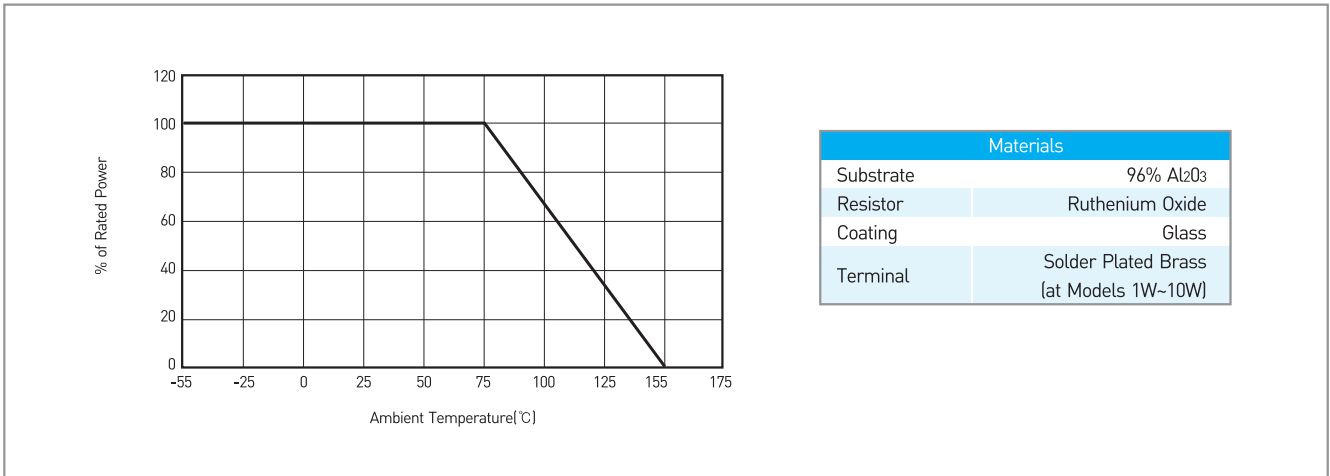
Operating Temperature Range		-55°C to +150°C
Overload		5×Power rating as long as the one second average dissipation dose not exceed the power rating
Thermal Shock	≤±0.5%	-55°C~+150°C 5cycles
Moisture Resistance	≤±0.5%	At 40°C, 95% humidity for 1000hours
Long-term Stability	≤±0.5%	At normal temperature and humidity for 1000hours
Resistance to Solder Heat	≤±0.5%	260±5°C, 10seconds

DIMENSIONS [mm]

Model	P	W	H
PC203	5.08±0.254	12.7±0.381	15.24±0.381
PC205	5.08±0.254	12.7±0.381	25.4±0.381
PC207	5.08±0.254	19.05±0.381	25.4±0.381
PC015	26.4±0.5	31.75±0.381	30.48±0.381
PC025	48.26±0.5	54.356±0.381	27.94±0.381
PC050	48.26±0.5	54.356±0.381	54.356±0.381
PC0100	104.14±0.5	111.76±0.381	55.88±0.381



DERATING CURVE AND MATERIALS



ORDERING PROCEDURE EXAMPLE

