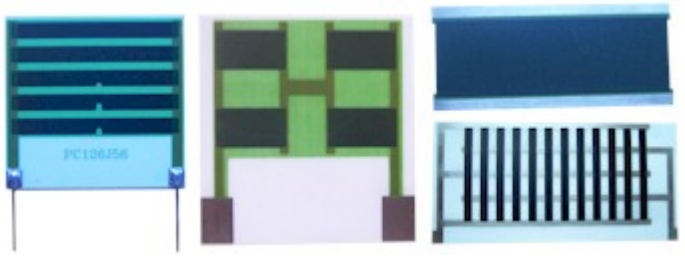
Tel: 82-32-817-4325
Fax: 82-32-817-4329

Resistors And
Resistive Applications

PC
POWER CHIP RESISTORS



These are low cost, light weight, high density and non-inductive. Applications include: Power supply preloads, UPS systems, In-rush current systems and snubber circuits.

SPECIFICATIONS

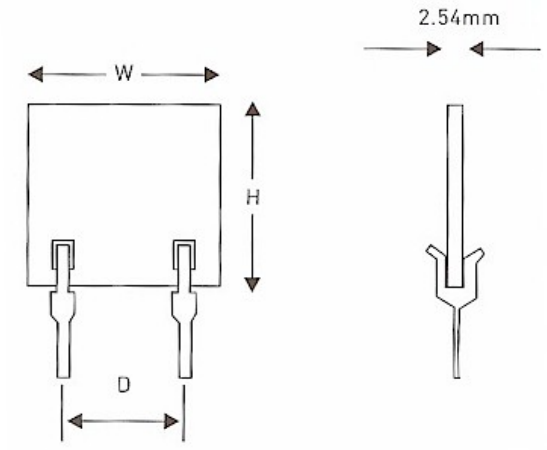
Model	Resistance[ohms]		Power[W]	Max Working Voltage	Tolerance[%]	TCR @ 25C [ppm/C]
	Minimum	Maximum				
PC203	1	1M	3.0	350VAC 500VDC	F[+-1] G[+-2] J[+-5]	+-50 +-100
PC205			5.0			
PC207			7.5			
PC015			15.0			
PC025			25.0			
PC050			50.0			
PC0100			100.0			

CHARACTERISTICS

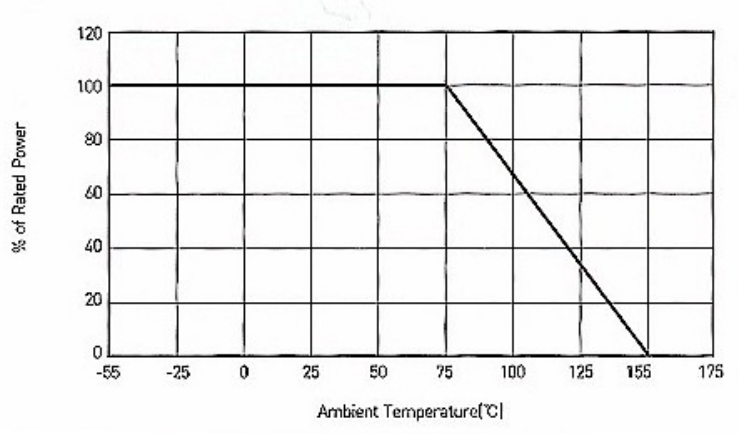
Operating Temperature Range		-55C to 150C
Overload		5X power rating as long as the 1 sec. average dissipation < power rating
Thermal Shock	[≤0.5%]	-55C to 150C 5 cycles
Moisture Resistance	[≤0.5%]	@40C, 95% RH for 1000hrs.
Long-Term Stability	[≤0.5%]	@ambient temp. and humidity for 1000hrs.
Resistance to Soldering Heat	[≤0.5%]	260C+-5% for 10 seconds

DIMENSIONS

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



MATERIALS

Substrate: 96% Al203
Element: Ruthenium Oxide
Coating: Glass
Terminals: Solder Plated Brass (for models 1W to 10W)

ORDERING EXAMPLE