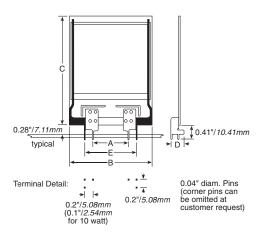


PECOS Resistors Thick Film on Porcelainized Steel Substrate



		Dimensions (in. / mm)				
Series	Watts	Α	В	C	D	E
TC010PA	10	0.300 / 7.62	0.55 / 13.97	1.25 / 31.75	0.29 / 7.37	0.50 / 12.70
TC020PA	20	0.600 / 15.24	1.10 / 27.94	1.40 / 35.56	0.37 / 9.40	1.00 / 25.40
TC025PA	25	1.000 / 25.40	1.60 / 40.64	1.25 / 31.75	0.37 / 9.40	1.40 / 35.56
TC050PA	50	1.000 / 25.40	1.75 / 44.45	2.50 / 63.50	0.37 / 9.40	1.40 / 35.56
TC100PA	100	1.300 / 33.02	2.55/ 64.77	3.35 / 85.09	0.37 / 9.40	1.70 / 43.18

ORDE	RING INFORMATION
	E = RoHS compliant ¬ Available Jan. 2006
$\frac{TC}{Series} \frac{02}{\Box}$	5 PA 5 R 0 0 F E
Power Rating —	Package PA = standard
*20% Values are not laser trin	mmed and offer enhanced surge handling.

PECOS® stands for Porcelain Enamel Coating on Steel. It is a plate resistor system utilizing thick film ruthenium oxide on a porcelain coated steel substrate. Copper plated silver conductors are employed and the resistive element is protected by a glass passivation

These resistors offer low inductance (50nh @1MHz) and very high power densities (15W/in²). Being PC-board mountable, they are economic to install and best suited for applications under 200V operating.

FEATURES

- 15W/in² Power Density
- Low Inductance
- Easy to Install

SPECIFICATIONS

Material

Substrate: PECOS® (Porcelain Enamel Coating on Steel) Resistor: Ruthenium Oxide

Coating: Glass

Terminals: Solder Plated
Phosphor Bronze, riveted in
place and electrically connected
with high temperature solder.

Thermal Conductivity: 60 Watts/ Meter/°C, x-y direction

Temperature Coefficient: 150 ppm/°C $\geq 1\Omega$

Electrical

Ohmic Range: 1-2500Ω Tolerance: ±1-5% to 20% Power Rating: Based on 25°C

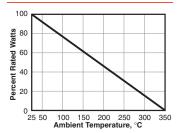
free air

Maximum Operating Voltage:

200 VDC

Overload: Five times rated power, as long as the one second average dissipation does not exceed the wattage rating.
ΔR: ±2%, 2000 hours

DERATING CURVE



This product has been **DISCONTINUED**