



State of the Art, Inc.

1206 Size, Current Sense Chip Resistor

Surface Mount, 4 - Terminal Kelvin

PERFORMANCE CHARACTERISTICS

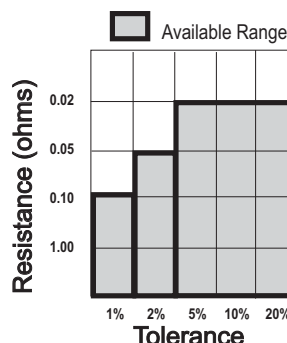
Resistance Range	0.020 Ohms - 1 Ohm
Tolerances	1%, 2%, 5%, 10%, 20%
Thermal Resistance	116.8 °C/W
Maximum Power	150 mW
Maximum Voltage	100 Volts

ENVIRONMENTAL PERFORMANCE *

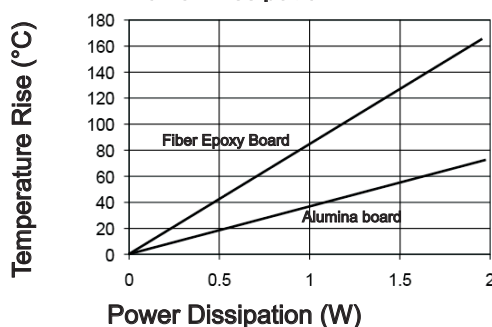
TCR (-55° + 125°C in ppm/°C)	<800 ppm
Thermal Shock	±0.03%
Low Temperature Operation	±0.02%
Short-time Overload	±0.02%
Resistance to Bonding Exposure	±0.03%
Moisture Resistance	±0.05%
High Temperature Exposure	±0.05%

*Typical resistance change. Test methods are per MIL-PRF-55342.

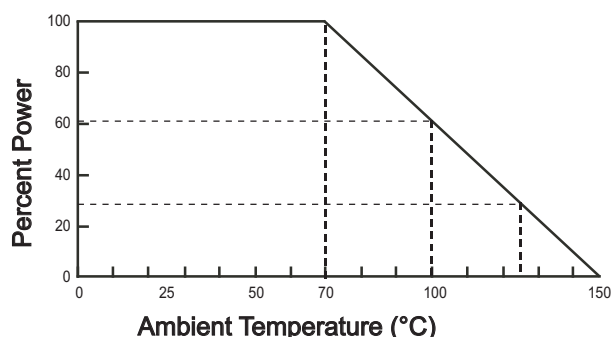
Resistance Table



Power Dissipation



Power Derating



PART NUMBERING

S 1206 C K X 0R02 J 80 -W

PACKAGING CODE: -TR: Tape & Reel -W: Waffle Carrier (Default packaging is Bulk)

10 ± 100ppm 80 ± 800ppm

TOLERANCES: F:1% G: 2% J: 5% K:10% M: 20%

RESISTANCE VALUE:

Value in ohms. The letter "R" is used to represent the decimal.

TERMINATION FINISH: X: Sn60 over nickel barrier C: Silver bearing (Epoxy bondable-RoHS) G: Gold (Epoxy bondable-RoHS)

PRODUCT DESIGNATION: K: Four Terminal Kelvin Resistor

TERMINATION TYPE: C: Wraparound termination

SIZE CODE

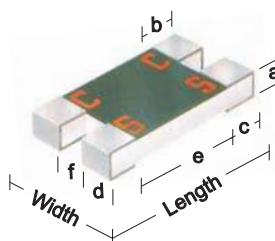
GRADE: S: Standard Production H: High Reliability (For screening options, contact the factory)

MECHANICAL

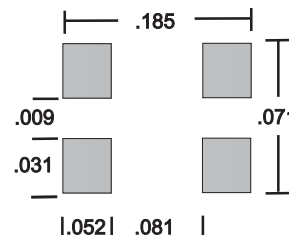
	INCHES	MILLIMETERS
Length	.125 (.123 - .133)	3.18 (3.12 - 3.38)
Width	.063 (.061 - .069)	1.60 (1.55 - 1.75)
Thickness (a)	.028 (.023 - .033)	0.71 (0.58 - 0.84)
Top Conductor Length (b)	.018 (.013 - .023)	0.46 (0.33 - 0.58)
Bottom Conductor Length (c)	.020 (.015 - .025)	0.51 (0.38 - 0.64)
Bottom Conductor Width (d)	.027 (.023 - .031)	0.69 (0.58 - 0.79)
Bottom Conductor Gap Length (e)	.085 (.081 - .089)	2.16 (2.06 - 2.26)
Bottom Conductor Gap Width (f)	.009 (.005 - .013)	0.23 (0.13 - 0.33)

Approx. Weight

0.0133 grams



MINIMUM
RECOMMENDED
MOUNTING
PADS
(INCHES)



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www.resistor.com

All products made in the USA

Cage Code : 56235

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