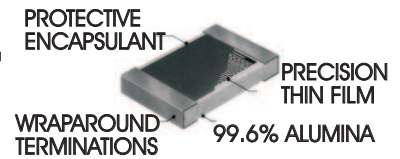




State of the Art, Inc.

1206 Thin Film Chip Resistor

Standard Grade, Wraparound



PERFORMANCE CHARACTERISTICS

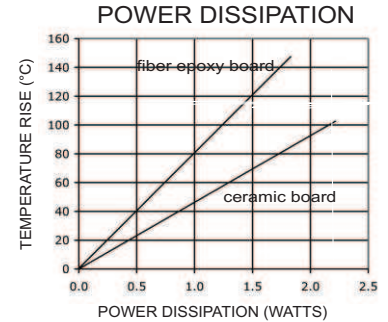
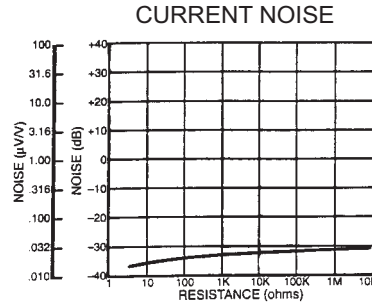
Resistance Range(1)	5.6Ω – 1.8MΩ
Tolerances (2)	0.1%, 0.25%, 0.5%, 1%, 2%, 5%
TCR	±25, ±50, ±100 ppm
Thermal Resistance	67.2°C/W
Maximum Power	300 mW
Maximum Voltage	100 Volts

- (1) Minimum resistance range at 0.1% tolerance is 100ohms.
 (2) +/- 0.05% limited availability - consult factory

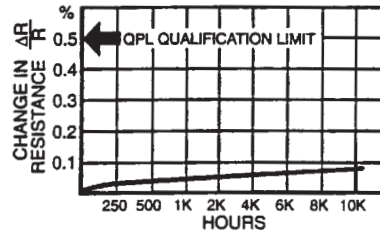
ENVIRONMENTAL PERFORMANCE (3)

Thermal Shock	±0.02%
Low Temperature Operation	±0.02%
Short-time Overload	±0.02%
Resistance to Bonding Exposure	±0.02%
Moisture Resistance	±0.03%
High Temperature Exposure	±0.03%
Life Test	See Chart

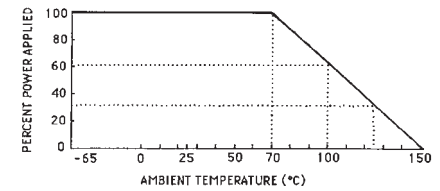
- (3) Typical resistance change, test methods and criteria per MIL-PRF-55342.



TYPICAL LIFE TEST PERFORMANCE



POWER DERATING



PART NUMBERING

S 1206 C A 1001 F H B - TR

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

TERMINATION FINISH: B: Sn60 over nickel barrier W: Gold

TEMPERATURE CHARACTERISTIC TCR: E: ±25 ppm H: ±50 ppm K: ±100 ppm

TOLERANCE: B: 01% C: 0.25% D: 0.5% F: 1% G: 2% J: 5%

RESISTANCE VALUE:

Three or Four digits are used, with all leading digits significant. Four digits are used for 1% tolerance or lower; otherwise, three digits are used. The last digit specifies the number of zeros to add. The letter "R" is used to represent the decimal for fractional ohmic values. Example: 5R6 is 5.6 ohms.

PRODUCT DESIGNATION: A: Thin film on alumina

TERMINATION TYPE: C: Wraparound termination

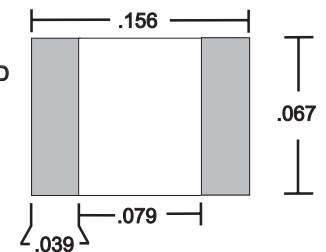
SIZE CODE

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

MECHANICAL

	INCHES	MILLIMETERS
Length	.126 (.124 - .132)	3.20 (3.15 - 3.35)
Width	.061 (.059 - .067)	1.55 (1.50 - 1.70)
Thickness	.017 (.013 - .023)	0.38 (0.33 - 0.58)
Top Term	.015 (.010 - .020)	0.38 (0.25 - 0.50)
Bottom Term	.021 (.015 - .025)	0.53 (0.38 - 0.64)
Gap	.085 (.081 - .089)	2.15 (2.05 - 2.25)
Approx. Weight	0.0081 grams	

MINIMUM
RECOMMENDED
MOUNTING
PADS
(INCHES)



Specifications subject to change without notice.

STATE OF THE ART, INC. 2470 Fox Hill Road, State College, PA 16803-1797

Phone (814) 355-8004 Fax (814) 355-2714 Toll Free 1-800-458-3401

www.resistor.com

02/08/08