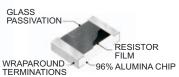
State of the Art, Inc. 1010 Thick Film Chip Resistor GLASS PASSIVATION

31.6 +3

10.0

(gp

Standard Grade, Wraparound



POWER DISSIPATION

amic bo

4.0 5.0

fiber epoxy board

160

140

120

100

80

60

PERFORMANCE CHARACTERISTICS

Resistance Range Tolerances (1) TCR Thermal Resistance Maximum Power Maximum Voltage

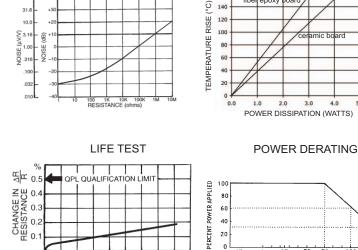
1Ω –40MΩ 0.5%,1%, 2%, 5%,10% ±100, ±200, ±300 ppm 39.2°C/W 500 mW 75 Volts

(1)+/- 0.5% limited availability

ENVIRONMENTAL PERFORMANCE (2)

Thermal Shock	±0.03%
Low Temperature Operation	±0.03%
Short-time Overload	±0.03%
Resistance to Bonding Exposure	±0.03%
Moisture Resistance	±0.05%
High Temperature Exposure	±0.05%
Life Test	See Chart

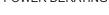
(2)Typical resistance change, test methods and criteria per MIL-PRF-55342.

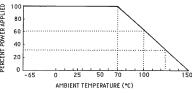


8K 10K

٨ĸ 6K HOURS

CURRENT NOISE





PART NUMBERING

S 1010 C P X 150 J 20 - TR

PACKAGING CODE: - TR = Tape/Reel - W = Waffle Carrier (Default packaging is Bulk)				
TEMPERATURE CHARACTERISTIC: 10: ±100 ppm 20: ±200 ppm 30: ±300 ppm				
TOLERANCE: F: 1% G: 2% J: 5% K: 10% M: 20%				
RESISTANCE VALUE: Four digits are used for tolerances of 1% or lower, three digits are used above 1%. Leading digits are significant while 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.				
TERMINATION FINISH: X: Sn60 over Nickel (Solderable) C: Silver bearing (Epoxy bondable-RoHS) G: Gold (Epoxy bondable-RoHS) Y: Silver over Nickel (Solderable -RoHS) Z: Gold over Nickel (Solderable-RoHS)				
PRODUCT DESIGNATION: P: Thick film on alumina U: Untrimmed alumina (10% & 20% tolerance only)				
TERMINATION TYPE: C: Wraparound termination				
SIZE CODE				
GRADE: S: Standard Production H: High Reliability (For Screening options, contact the factory)				

250 500

1K

MECHANICAL

Length Width Thickness Top Term Bottom Term Gap Approx. Weight	INCHES .101 (.099109) 2.4 .095 (.095101) 2.4 .018 (.015023) 0.4 .015 (.010020) 0.3 .015 (.010020) 0.3 .071 (.067075) 1.4 .0105 grams	41 (2.41 - 2.57) 46 (0.38 - 0.58) 38 (0.25 - 0.51) 38 (0.25 - 0.51)	MINIMUM RECOMMENDED MOUNTING PADS (INCHES) .131	
"Specifications subject to change without notice."				
STATE OF THE APT INC 2470 Fox Hill Road State College DA 16803-1707				

STATE OF THE ART, INC. 24/0 Fox Hill Road, State College, PA 16803-1/9/ Phone (814) 355-8004 Fax (814) 355-2714 Toll Free 1-800-458-3401 www.resistor.com

02/08/08