

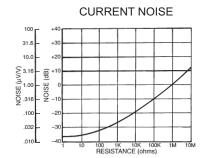
## PERFORMANCE CHARACTERISTICS

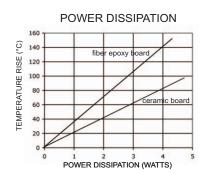
(1)+/- 0.5% limited availability

### **ENVIRONMENTAL PERFORMANCE (2)**

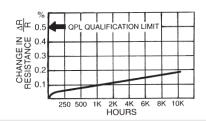
Thermal Shock	±0.03%
Low Temperature Operation	±0.03%
Short-time Overload	±0.03%
Resistance to Bonding Exposure	±0.03%
Moisture Resistance	±0.05%
High Temperature Exposure	±0.05%
Life Test	See Chart

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

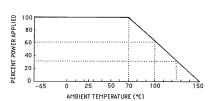




LIFE TEST



#### POWER DERATING



# PART NUMBERING

### S 2010 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

## **MECHANICAL**

Length Width Thickness Top Term Bottom Term Gap Approx. Weight	INCHES MILLIMETERS  .202 (.200210) 5.13 (5.08 - 5.33) .094 (.093100) 2.38 (2.36 - 2.54) .028 (.023033) 0.71 (0.58 - 0.84) .020 (.015025) 0.51 (0.38 - 0.64) .019 (.015025) 0.48 (0.38 - 0.64) .164 (.160168) 4.17 (4.06 - 4.27) .0323 grams	MINIMUM RECOMMENDED MOUNTING PADS (INCHES)  .100
		∠ <sub>.049</sub>

<sup>&</sup>quot;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**