

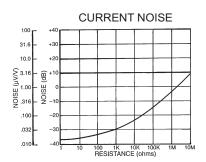
## PERFORMANCE CHARACTERISTICS

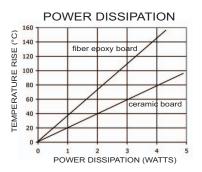
(1)+/- 0.5% limited availability

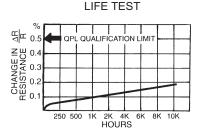
### **ENVIRONMENTAL PERFORMANCE (2)**

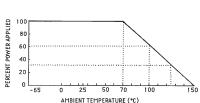
Thermal Shock	±0.03%
Low Temperature Operation	±0.03%
Short-time Overload	±0.03%
Resistance to Bonding Exposure	±0.03%
Moisture Resistance	±0.05%
High Temperature Exposure	±0.05%
Life Test	See Chart

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









POWER DERATING

# PART NUMBERING

### S 2512 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 lobbs

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)

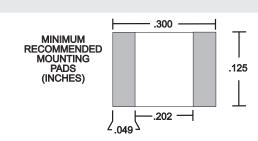
TERMINATION TYPE: C: Wraparound termination

SIZE CODE

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

## **MECHANICAL**

**INCHES** MILLIMETERS .250 (.250 - .258) 6.35 Length .119 (.119 - .125) 3.02 .028 (.023 - .033) 0.71 (3.02 - 3.18) (0.58 - 0.84) Width **Thickness** .020 (.015 - .025) 0.51 .019 (.015 - .025) 0.48 (0.38 - 0.64) Top Term (0.38 - 0.64) (5.28 - 5.49) **Bottom Term** .212 (.208 - .216) 5.39 Gap Approx. Weight .0513 grams



**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** 

<sup>&</sup>quot;Specifications subject to change without notice."