

PERFORMANCE CHARACTERISTICS

 $\begin{array}{lll} \text{Resistance Range} & 1\Omega - 40 \text{M}\Omega \\ \text{Tolerances (1)} & 0.5\%, 1\%, 2\%, 5\%, 10\% \\ \text{TCR} & \pm 100, \pm 200, \pm 300 \text{ ppm} \\ \text{Thermal Resistance} & 90.2^{\circ}\text{C/W} \\ \text{Maximum Power} & 330 \text{ mW} \\ \text{Maximum Voltage} & 125 \text{ Volts} \\ \end{array}$

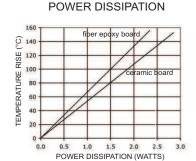
(1)+/- 0.5% limited availability

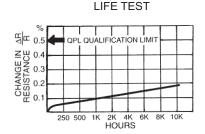
ENVIRONMENTAL PERFORMANCE (2)

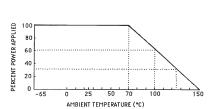
Thermal Shock	±0.03%
Low Temperature Operation	±0.03%
Short-time Overload	±0.03%
Resistance to Bonding Exposure	±0.03%
Moisture Resistance	±0.05%
High Temperature Exposure	±0.05%
Life Test	See Chart

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

CURRENT NOISE 100 +40 10.0 +2







POWER DERATING

PART NUMBERING

S 1505 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)

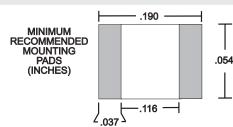
TERMINATION TYPE: C: Wraparound termination

SIZE CODE

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

MECHANICAL

INCHES **MILLIMETERS** MINIMUM Length .150 (.148 - .158) 3.81 RECOMMENDED Width .048 (.046 - .054) 1.22 (1.17 - 1.37) MOUNTING .023 (.018 - .028) 0.58 (0.46 - 0.71)**Thickness** PADS Top Term .015 (.010 - .020) 0.38 (0.25 - 0.51) (INCHES) .014 (.010 - .020) 0.36 .122 (.118 - .126) 3.10 (0.25 - 0.51) (3.00 - 3.20) **Bottom Term** Gap Approx. Weight .0097 grams



[&]quot;Specifications subject to change without notice."