PERFORMANCE CHARACTERISTICS

Resistance Range 1Ω - 40MΩ
Tolerances (1) 0.5%, 1%, 2%, 5%, 10%
TCR ±100, ±200, ±300 ppm
Thermal Resistance 62.9°C/W
Maximum Power 200 mW
Maximum Voltage 50 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.

PART NUMBERING

S 0705 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

MECHANICAL

INCHES MILLIMETERS
Length .075 (.074 - .083) 1.91 (1.88 - 2.11)
Width .048 (.046 - .054) 1.22 (1.17 - 1.37)
Thickness .018 (.015 - .023) .46 (0.38 - 0.58)
Top Term .012 (.008 - .024) .31 (0.20 - 0.61)
Bottom Term .014 (.010 - .020) .36 (0.25 - 0.51)
Gap .047 (.043 - .051) 1.19 (1.09 - 1.30)
Approx. Weight .00405 grams

*Specifications subject to change without notice.*

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