PERFORMANCE CHARACTERISTICS

Resistance Range(1)  5.6Ω - 470KΩ
Tolerances (2)  0.1%, 0.25%, 0.5%, 1%, 2%, 5%
TCR  ±25, ±50, ±100 ppm
Thermal Resistance  38.8°C/W
Maximum Power  125 mW
Maximum Voltage  40 Volts

(1) Minimum resistance range at 0.1% tolerance is 100ohms.
(2) +/- 0.05% limited availability - consult factory

ENVIRONMENTAL PERFORMANCE (3)

Thermal Shock  ±0.02%
Low Temperature Operation  ±0.02%
Short-time Overload  ±0.02%
Resistance to Bonding Exposure  ±0.02%
Moisture Resistance  ±0.03%
High Temperature Exposure  ±0.03%
Life Test  See Chart

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

PART NUMBERING

S 0505 C A 1001 F H B - TR

PACKAGING CODE:  - TR = Tape/Reel  - W = Waffle Carrier (Default packaging is Bulk)
TERMINATION FINISH:  B: Sn60 over nickel barrier  W: Gold
TEMPERATURE CHARACTERISTIC TCR:  E: ±25 ppm  H: ±50 ppm  K: ±100 ppm
TOLERANCE:  B: 01%  C: 0.25%  D: 0.5%  F: 1%  G: 2%  J: 5%
RESISTANCE VALUE:
Three or Four digits are used, with all leading digits significant. Four digits are used for 1% tolerance or lower; otherwise, three digits are used. 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.
PRODUCT DESIGNATION:  A: Thin film on alumina
TERMINATION TYPE:  C: Wraparound termination
SIZE CODE
GRADE:  S: Standard Production  H: High Reliability (For Screening options, contact the factory)

MECHANICAL

<table>
<thead>
<tr>
<th>INCHES</th>
<th>MILLIMETERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length</td>
<td>0.053 (.051 - .059)</td>
</tr>
<tr>
<td>Width</td>
<td>0.048 (.046 - .054)</td>
</tr>
<tr>
<td>Thickness</td>
<td>0.017 (.013 - .023)</td>
</tr>
<tr>
<td>Top Term</td>
<td>0.008 (.006 - .015)</td>
</tr>
<tr>
<td>Bottom Term</td>
<td>0.014 (.010 - .020)</td>
</tr>
<tr>
<td>Gap</td>
<td>0.025 (.021 - .029)</td>
</tr>
<tr>
<td>Approx. Weight</td>
<td>0.0028 grams</td>
</tr>
</tbody>
</table>

MINIMUM RECOMMENDED MOUNTING PADS (INCHES)

*Specifications subject to change without notice.*

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