**PERFORMANCE CHARACTERISTICS**

- **Resistance Range:** 5.6Ω – 100KΩ
- **Tolerances:** ±0.05%, ±0.1%, ±0.25%, ±0.5%, ±1%, ±2%, ±5%
- **TCR (Temperature Coefficient of Resistance):** ±25 ppm, ±50 ppm, ±100 ppm
- **Thermal Resistance:** 69.3°C/W
- **Maximum Power:** 50 mW
- **Maximum Voltage:** 40 Volts

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

**ENVIRONMENTAL PERFORMANCE**

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

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

**PART NUMBERING**

- **PART NUMBER:** S 0402 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
- **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>.042 (.040 - .048)</td>
</tr>
<tr>
<td>Width</td>
<td>.022 (.020 - .024)</td>
</tr>
<tr>
<td>Thickness</td>
<td>.017 (.013 - .023)</td>
</tr>
<tr>
<td>Top Term</td>
<td>.005 (.002 - .015)</td>
</tr>
<tr>
<td>Bottom Term</td>
<td>.009 (.005 - .015)</td>
</tr>
<tr>
<td>Gap</td>
<td>.024 (.020 - .028)</td>
</tr>
<tr>
<td>Approx. Weight</td>
<td>0.0010 grams</td>
</tr>
</tbody>
</table>

*Specifications subject to change without notice.*