**Features**
- Concave terminals
- RoHS compliant*
- 8 bit multiple applications
- Smallest bussed chip array
- E24 Series from 10 ohms to 1 megohm

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### CAT25 - Thick Film Chip Resistor Arrays

#### Electrical Characteristics

<table>
<thead>
<tr>
<th>Parameters</th>
<th>CAT25</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Resistors</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>Resistance Range E24</td>
<td>10 ohms to 1 megohm</td>
<td></td>
</tr>
<tr>
<td>Resistance Tolerance</td>
<td>5 %</td>
<td>JIS-C-5202.5.1</td>
</tr>
<tr>
<td>Power Rating/Resistor</td>
<td>62.5 mW</td>
<td></td>
</tr>
<tr>
<td>Rating Temperature</td>
<td>+70 °C</td>
<td></td>
</tr>
<tr>
<td>T.C.R.</td>
<td>±200 ppm/°C</td>
<td>JIS-C-5202.5.2</td>
</tr>
<tr>
<td>Maximum Operating Voltage</td>
<td>25 V</td>
<td></td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-55 °C to +125 °C</td>
<td></td>
</tr>
</tbody>
</table>

#### Environmental Characteristics

<table>
<thead>
<tr>
<th>Specification</th>
<th>Characteristics</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Short Time Overload</td>
<td>±3 % +0.1 ohm</td>
<td>JIS-C-5202.5.5</td>
</tr>
<tr>
<td>Load Life</td>
<td>±5 % +0.1 ohm</td>
<td>JIS-C-5202.7.10</td>
</tr>
<tr>
<td>Humidity Load Life</td>
<td>±3 % +0.1 ohm</td>
<td>JIS-C-5202.7.9</td>
</tr>
<tr>
<td>Resistance to Soldering Heat</td>
<td>±1 % +0.1 ohm</td>
<td>JIS-C-5202.6.4</td>
</tr>
<tr>
<td>Terminal Strength</td>
<td>±1 % +0.1 ohm</td>
<td>JIS-C-5202.6.5</td>
</tr>
<tr>
<td>Temperature Cycle</td>
<td>±2 % +0.1 ohm</td>
<td>JIS-C-5202.7.4</td>
</tr>
<tr>
<td>Vibration</td>
<td>±1 % +0.1 ohm</td>
<td>JIS-C-5202.6.3</td>
</tr>
<tr>
<td>Insulation Resistance</td>
<td>1000 megohms minimum</td>
<td>JIS-C-5202.5.6</td>
</tr>
<tr>
<td>Dielectric Withstanding Voltage</td>
<td>50 VRMS</td>
<td>JIS-C-5202.5.7</td>
</tr>
<tr>
<td>Lead Solderability</td>
<td>&gt;95 %</td>
<td>JIS-C-5202.6.5</td>
</tr>
</tbody>
</table>

#### How To Order

**CA  T 25 - 103 J A LF**

- **Product**
  - CA = Chip Array
- **Pin Style**
  - T = Concave
- **Model**
  - 103 = 10K ohms
- **Resistance Value**
  - J = 5 %
- **Tolerance**
  - LF = Tin-plated (RoHS compliant)
- **Electrical Circuit**
  - A = 8 Resistors, Bussed Type
- **Terminations**
  - For Standard Values Used in Capacitors, Inductors, and Resistors, click here.

#### Outline Drawing

**Land Pattern**

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**WARNING**

Cancer and Reproductive Harm

www.P65Warnings.ca.gov

*RoHS Directive 2015/863, Mar 31, 2015 and Annex. Specifications are subject to change without notice. Users should verify actual device performance in their specific applications. The products described herein and this document are subject to specific legal disclaimers as set forth on the last page of this document, and at www.bourns.com/docs/legal/disclaimer.pdf.
Soldering Profile for RoHS Compliant Chip Resistors and Arrays

Packaging

- 12 (.472) embossed tape
- 4,000 pcs. per reel

Material

<table>
<thead>
<tr>
<th>Substrate</th>
<th>Alumina 96</th>
</tr>
</thead>
<tbody>
<tr>
<td>Element</td>
<td>Ruthenium Oxide</td>
</tr>
<tr>
<td>Coating</td>
<td>Glass</td>
</tr>
<tr>
<td>Terminal</td>
<td>Plated Ni+Sn</td>
</tr>
</tbody>
</table>

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