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

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>JIS-C-5202.5.1</td>
</tr>
<tr>
<td>Resistance Range E24</td>
<td>10 ohms to 1 meghm</td>
<td>JIS-C-5202.5.2</td>
</tr>
<tr>
<td>Resistance Tolerance</td>
<td>5 %</td>
<td>JIS-C-5202.5.2</td>
</tr>
<tr>
<td>Power Rating/Resistor</td>
<td>62.5 mW</td>
<td>JIS-C-5202.5.2</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>JIS-C-5202.5.2</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-55 °C to +125 °C</td>
<td>JIS-C-5202.5.2</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-5202.6.4</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 meghms 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

For Standard Values Used in Capacitors, Inductors, and Resistors, click here.

Outline Drawing

Land Pattern

Electrical Circuit

Specifications are subject to change without notice.
Customers should verify actual device performance in their specific applications.
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>