**Features**

- **RoHS compliant**
- 4 isolated resistors in an 0804 size package
- E24 series from 10 ohms to 1 megohm
- Concave termination style
- Resistance tolerance ±5 %

- Suitable for most types of soldering processes
- Paper tape on plastic reel for automatic placement

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**Model CAT10 - Chip Resistor Array**

**Characteristics**

Number of Elements .......... 4 (isolated)

Power Rating per Resistor @ 70 °C .......... 0.0625 W

Package Power Rating @ 70 °C .......... 0.250 W

Operating Temperature Range .......... -55 °C to +125 °C

Derated to 0 Load .......... +125 °C

Max. Working Voltage .......... 25 V

Max. Overload Voltage .......... 50 V

Resistance Tolerance .......... ±5 %

Resistance Range/E24 Series .......... 10 ohms to 1 megohm plus Zero-ohm Jumper

T.C.R. .......... ±250 ppm/°C

Packaging .......... 10,000 pieces per reel

**Product Dimensions**

**Construction**

- Marking
- Protective Glass Overcoat
- Thick Film Resistive Element
- Conductor
- Side Termination
- High Purity Alumina Substrate

**How To Order**

<table>
<thead>
<tr>
<th>Chip Arrays</th>
<th>Chip Arrays</th>
</tr>
</thead>
<tbody>
<tr>
<td>CA</td>
<td>T 10 - 103 J 4 LF</td>
</tr>
</tbody>
</table>

- Type
  - T = Concave
- Model
  - 10 = 0804 Package Size
- Resistance Code
  - <10 ohms: "R" represents decimal point (example: 4R7 = 4.7 ohms)
  - ≥10 ohms: First two digits are significant, third digit represents number of zeros to follow (example: 474 = 470k ohms)
  - 000 = Zero-ohm Jumper
- Resistance Tolerance
  - J = ±5 %
- Resistors
  - 4 = 4 pcs.
- Terminations
  - LF = Tin-plated (RoHS compliant)

**Derating Curve**

**Land Pattern**

**Isolated Circuit**

**Typical Part Marking**

None on part. Label on reel will include part number.

For Standard Values Used in Capacitors, Inductors, and Resistors, [click here](#).

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Specifications are subject to change without notice.

The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time. Users should verify actual device performance in their specific applications.
Model CAT10 - Chip Resistor Array

Soldering Profile for RoHS Compliant Chip Resistors and Arrays

- **Ramp Up**: 3 °C/second maximum, 10 seconds minimum
- **Ramp Down**: 6 °C/second
- **260 °C peak**: Maximum of 20 seconds between +255 °C and +260 °C
- **190 °C**: 60 - 90 seconds
- **220 °C**: 60 - 120 seconds

Packaging Dimensions

<table>
<thead>
<tr>
<th>DIMENSIONS:</th>
<th>MM</th>
<th>INCHES</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.5 MAX</td>
<td>1.5 ± 0.1 - 0</td>
<td>(0.020)</td>
</tr>
<tr>
<td>1.0 MAX</td>
<td>2.3 ± 0.2</td>
<td>(0.040)</td>
</tr>
<tr>
<td>4.0 ± 0.1</td>
<td>8.0 ± 0.2</td>
<td>(0.158 ± .004)</td>
</tr>
<tr>
<td>2.0 ± 0.06</td>
<td>3.5 ± 0.05</td>
<td>(0.079 ± .002)</td>
</tr>
<tr>
<td>2.0 ± 0.05</td>
<td>21.0 ± 0.8</td>
<td>(0.079 ± .002)</td>
</tr>
<tr>
<td>0.5</td>
<td>13.0 ± 0.2</td>
<td>(.020)</td>
</tr>
<tr>
<td>1.0</td>
<td>2.0</td>
<td>(0.020)</td>
</tr>
<tr>
<td>1.3 ± 0.2</td>
<td>9.0 ± 0.3</td>
<td>(.051 ± .008)</td>
</tr>
<tr>
<td>2.0</td>
<td>11.4 ± 1.0</td>
<td>(.008)</td>
</tr>
<tr>
<td>2.0</td>
<td>60</td>
<td>(.040)</td>
</tr>
</tbody>
</table>

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