Features
- RoHS compliant*
- 2/4 isolated resistors in an 0404/0804 size package
- E24 series from 10 ohms to 1 megohm
- Convex termination style
- Resistance tolerance ±5%
- Suitable for all types of soldering processes
- Paper tape on reel for automatic placement

Model CAY10 - Chip Resistor Array

Specifications

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Characteristics</th>
<th>Test Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Short Time Overload</td>
<td>±2 %</td>
<td>Rated Voltage X 2.5, 5 seconds</td>
</tr>
<tr>
<td>Soldering Heat</td>
<td>±1 %</td>
<td>260 °C ±5 °C, 10 seconds ±1 second</td>
</tr>
<tr>
<td>Temperature Cycling (5)</td>
<td>±1 %</td>
<td>125 °C (30 minutes) - normal (15 minutes) -30 °C (30 minutes) - normal (15 minutes)</td>
</tr>
<tr>
<td>Moisture Load Life</td>
<td>±3 %</td>
<td>1000 hours</td>
</tr>
<tr>
<td>Load Life</td>
<td>±3 %</td>
<td>1000 hours</td>
</tr>
</tbody>
</table>

Characteristics

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>CAY10-xxxJ2</th>
<th>CAY10-xxxJ4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Elements (Isolated)</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>Power Rating @ 70 °C per Resistor</td>
<td>0.0625 W</td>
<td>0.0625 W</td>
</tr>
<tr>
<td>Package Power Rating @ 70 °C</td>
<td>0.125 W</td>
<td>0.250 W</td>
</tr>
<tr>
<td>Resistance Tolerance</td>
<td>±5 %</td>
<td></td>
</tr>
<tr>
<td>Resistance Range (E24) plus Zero-ohm Jumper</td>
<td>3 ohms - 1 megohm</td>
<td></td>
</tr>
<tr>
<td>T.C.R.</td>
<td>3 ohms - 9.1 ohms; ±500 ppm/°C 10 ohms - 1 megohm; ±250 ppm/°C</td>
<td></td>
</tr>
<tr>
<td>Max. Overload Voltage</td>
<td>50 V</td>
<td></td>
</tr>
<tr>
<td>Max. Working Voltage</td>
<td>25 V</td>
<td></td>
</tr>
<tr>
<td>Operating Temp. Range</td>
<td>-55 °C to +125 °C</td>
<td></td>
</tr>
<tr>
<td>Rating Temperature</td>
<td>+70 °C</td>
<td></td>
</tr>
<tr>
<td>Packaging</td>
<td>10,000 pieces per reel</td>
<td></td>
</tr>
</tbody>
</table>

How To Order

Chip Arrays
Type
- Y = Convex
Model
- 10 = 04 Package Width
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
- 2 = 2 Resistors
- 4 = 4 Resistors
Terminations
- LF = Tin-plated (RoHS compliant)

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

Environmental Characteristics

Moisture Sensitivity Level..........................1
ESD Classification (HBM).............................N/A

Isolated Circuit

CA Y10 - 103 J 4 LF

Typical Part Marking

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

WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov

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Model CAY10 - Chip Resistor Array

Soldering Profile for RoHS Compliant Chip Resistors and Arrays

Product Dimensions

CAY10-xxxJ4

- 0.40 ± 0.15 (0.016 ± 0.006)
- 0.15 ± 0.10 (0.006 ± 0.004)
- 0.5 ± 0.05 (0.020 ± 0.002)
- 2.0 ± 0.10 (0.079 ± 0.004)
- 0.30 ± 0.15 (0.012 ± 0.006)
- 1.0 ± 0.10 (0.040 ± 0.004)

CAY10-xxxJ2

- 0.35 ± 0.10 (0.014 ± 0.004)
- 0.15 ± 0.10 (0.006 ± 0.004)
- 0.5 ± 0.05 (0.020 ± 0.002)
- 0.35 ± 0.10 (0.014 ± 0.004)

Land Pattern

CAY10-xxxJ4

- 0.50 (0.020)
- 0.50 (0.020)
- 0.50 (0.020)
- 0.30 (0.012)
- 0.40 (0.016)
- 1.50 (0.059)

CAY10-xxxJ2

- 0.65 (0.026)
- 0.50 (0.020)
- 0.35 (0.014)
- 0.30 (0.012)
- 1.50 (0.059)

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Model CAY10 - Chip Resistor Array

Packaging Dimensions

DIMENSIONS: MM (INCHES)

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