Features

- Available to 100K ohms
- 10 pin with 8 resistors in bussed type for pull up/down circuit
- Convex termination style
- Resistance tolerance ±5%
- E24 Series from 10 ohms to 43K ohms
- Suitable for all types of soldering processes
- Paper tape on plastic reel for automatic placement
- RoHS compliant

Model CAY17 - Bussed Resistor Array

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.

Characteristics

- Number of Resistors: 8 (bussed circuit)
- 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 100K ohms
- T.C.R.: ±250 ppm/°C

Construction

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

How To Order

Chip Arrays

- CAY 17 - 103 J A LF
- Type
  - Y = Convex
- Model
  - 17 = 1206 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)
- Resistance Tolerance: ±5%
- Resistors
  - A = Common from terminal 5 to 10
- Terminations
  - LF = Tin-plated (RoHS compliant)

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

Additional Information

Click these links for more information:

- PRODUCT
- TECHNICAL LIBRARY
- INVENTORY
- SAMPLES
- CONTACT

Product Dimensions

<table>
<thead>
<tr>
<th>Model</th>
<th>L</th>
<th>W</th>
<th>t</th>
<th>p</th>
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<tbody>
<tr>
<td>CAY17-JA</td>
<td>3.20 ± 0.20</td>
<td>1.60 ± 0.15</td>
<td>0.50 ± 0.10</td>
<td>0.64 ± 0.05</td>
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<td>(0.126 ± 0.008)</td>
<td>(0.063 ± 0.006)</td>
<td>(0.020 ± 0.004)</td>
<td>(0.126 ± 0.002)</td>
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<table>
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<td>CAY17-JA</td>
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<td>0.30 ± 0.20</td>
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<td>(0.012 ± 0.006)</td>
<td>(0.012 ± 0.008)</td>
<td>(0.020 ± 0.004)</td>
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</table>

Typical Part Marking

- CAY17-JA

Derating Curve

Bussed Circuit

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

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Users should verify actual device performance in their specific applications.
Model CAY17 - Bussed Resistor Array

Soldering Profile for RoHS Compliant Chip Resistors and Arrays

Packaging Dimensions

REV. 10/23

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Component Placement

- Reduce the mechanical stress to a minimum during and after placing of the unit in order not to damage the terminals and protective coating.
- Misplacement of components may cause solder bridges.

Soldering

- Reflow soldering: Recommendation is shown in the following chart.
- Wave soldering: Recommendation according to IEC standards.
- Hand soldering: Don’t touch the protective coating of the part. Solder within 3 seconds when the temperature is over 280 °C.

![Soldering Temperature Chart]
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