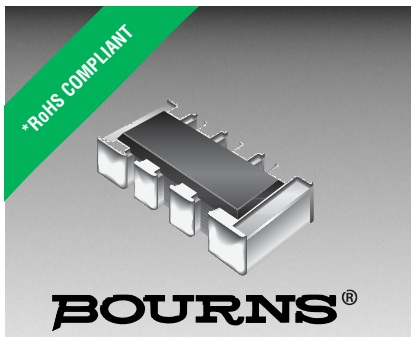




## Features

- 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  $\pm 5\%$
- Suitable for all types of soldering processes

- Paper tape on reel for automatic placement

## Model CAY10 - Chip Resistor Array

### Specifications

| Requirement             | Characteristics | Test Method                                                                            |
|-------------------------|-----------------|----------------------------------------------------------------------------------------|
| Short Time Overload     | $\pm 2\%$       | Rated Voltage X 2.5, 5 seconds                                                         |
| Soldering Heat          | $\pm 1\%$       | 260 °C $\pm 5$ °C, 10 seconds $\pm 1$ second                                           |
| Temperature Cycling (5) | $\pm 1\%$       | 125 °C (30 minutes) - normal (15 minutes)<br>-30 °C (30 minutes) - normal (15 minutes) |
| Moisture Load Life      | $\pm 3\%$       | 1000 hours                                                                             |
| Load Life               | $\pm 3\%$       | 1000 hours                                                                             |

### Characteristics

| Characteristics                             | CAY10-xxxJ2            | CAY10-xxxJ4 |
|---------------------------------------------|------------------------|-------------|
| Number of Elements (Isolated)               | 2                      | 4           |
| Power Rating @ 70 °C per Resistor           | 0.0625 W               | 0.0625 W    |
| Package Power Rating @ 70 °C                | 0.125 W                | 0.250 W     |
| Resistance Tolerance                        | $\pm 5\%$              |             |
| Resistance Range (E24) plus Zero-ohm Jumper | 10 ohms - 1 megohm     |             |
| T.C.R.                                      | $\pm 250$ ppm/°C       |             |
| Max. Overload Voltage                       | 50 V                   |             |
| Max. Working Voltage                        | 25 V                   |             |
| Operating Temp. Range                       | -55 °C to +125 °C      |             |
| Rating Temperature                          | +70 °C                 |             |
| Packaging                                   | 10,000 pieces per reel |             |

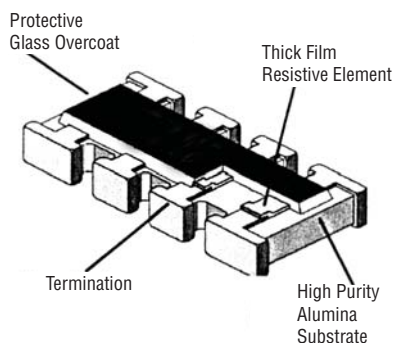
### How To Order

**CA Y 10 - 103 J 4 LF**

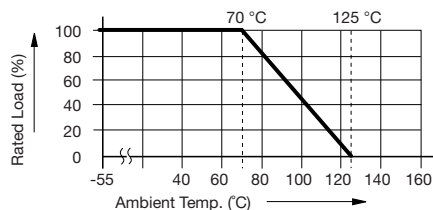
- Chip Arrays \_\_\_\_\_
- Type \_\_\_\_\_
- Y = Convex
- Model \_\_\_\_\_
- 10 = 04 Package Width
- Resistance Code \_\_\_\_\_
- <10 ohms: "R" represents decimal point (example: 4R7 = 4.7 ohms).
  - $\geq 10$  ohms: First two digits are significant, third digit represents number of zeros to follow (example: 474 = 470k ohms)
  - 000 = Zero-ohm Jumper
- Resistance Tolerance \_\_\_\_\_
- J =  $\pm 5\%$
- Resistors \_\_\_\_\_
- 2 = 2 Resistors
  - 4 = 4 Resistors
- Terminations \_\_\_\_\_
- LF = Tin-plated (RoHS compliant)

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

### Characteristics



### Derating Curve

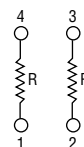


### Typical Part Marking

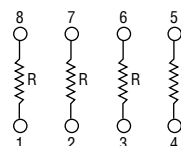
None on part. Label on reel will include part number.

### Isolated Circuit

#### CAY10-xxxJ2



#### CAY10-xxxJ4



\*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.

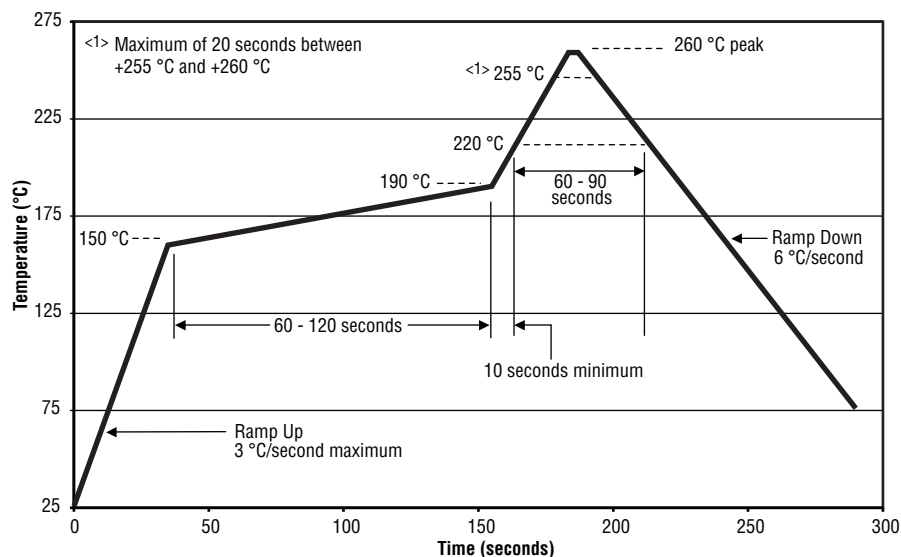
Specifications are subject to change without notice.

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 CAY10 - Chip Resistor Array

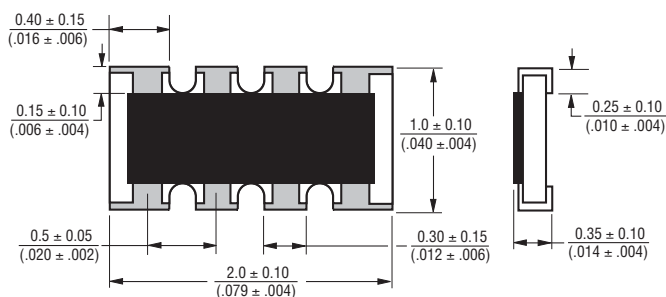
**BOURNS®**

## Soldering Profile for RoHS Compliant Chip Resistors and Arrays

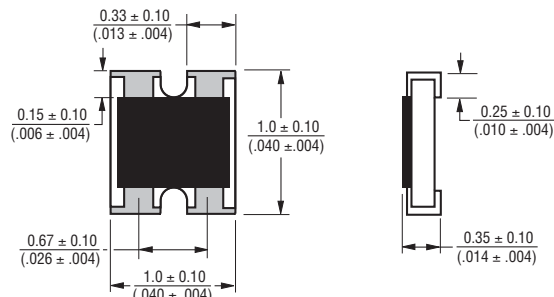


## Product Dimensions

### CAY10-xxxJ4

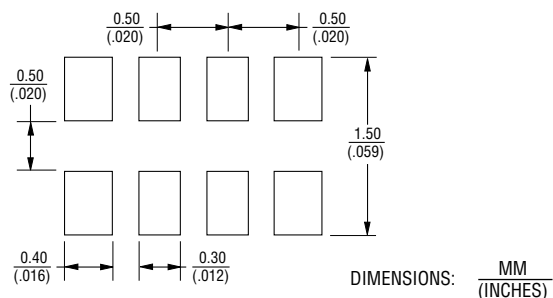


### CAY10-xxxJ2

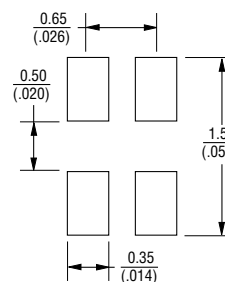


## Land Pattern

### CAY10-xxxJ4



### CAY10-xxxJ2

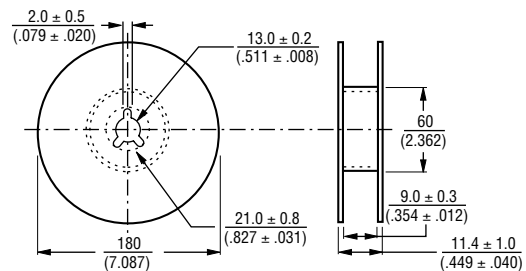
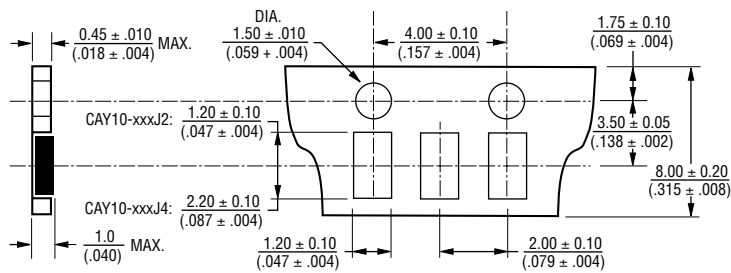


Specifications are subject to change without notice.  
The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time.  
Users should verify actual device performance in their specific applications.

# Model CAY10 - Chip Resistor Array

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## Packaging Dimensions



DIMENSIONS:  $\frac{\text{MM}}{(\text{INCHES})}$

REV. 01/15

Specifications are subject to change without notice.

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