

## 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) -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 \_\_\_\_\_

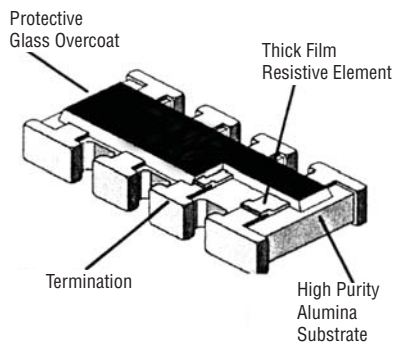
- 2 = 2 Resistors
- 4 = 4 Resistors

Terminations \_\_\_\_\_

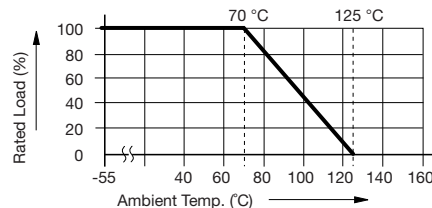
- LF = Tin-plated (RoHS compliant)

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

### Characteristics



### Derating Curve

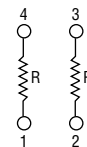


### Typical Part Marking

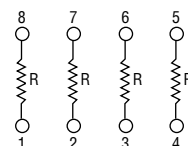
None on part. Label on reel will include part number.

### 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.

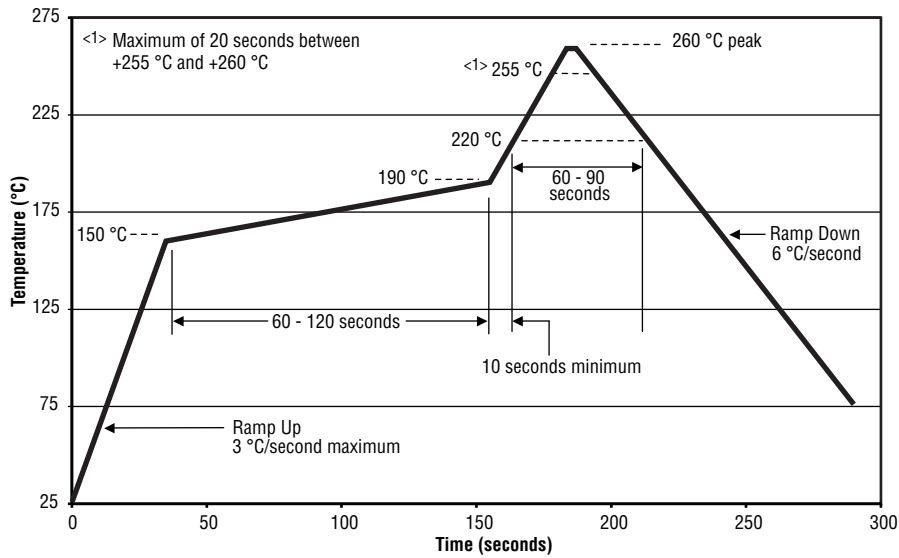
Specifications are subject to change without notice.

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.

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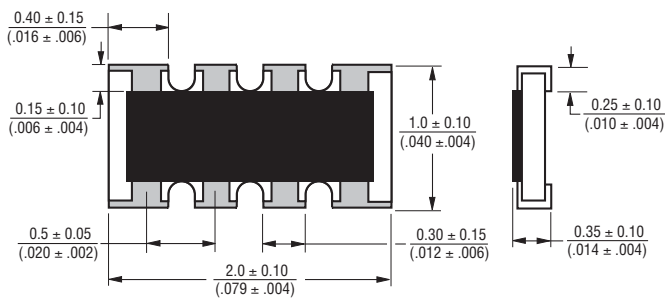
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## Soldering Profile for RoHS Compliant Chip Resistor Arrays

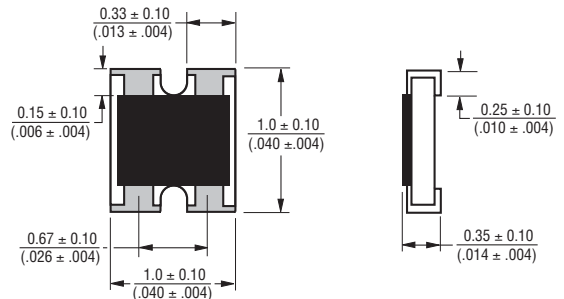


## Product Dimensions

### CAY10-xxxJ4

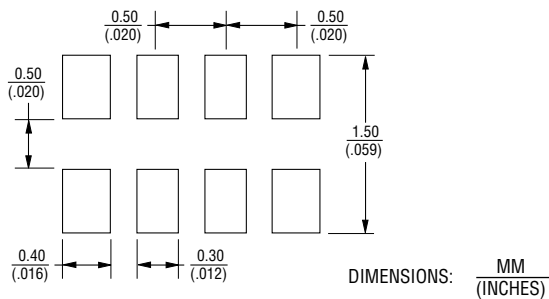


### CAY10-xxxJ2

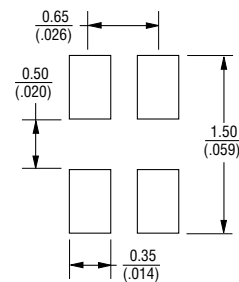


## Land Pattern

### CAY10-xxxJ4



### CAY10-xxxJ2

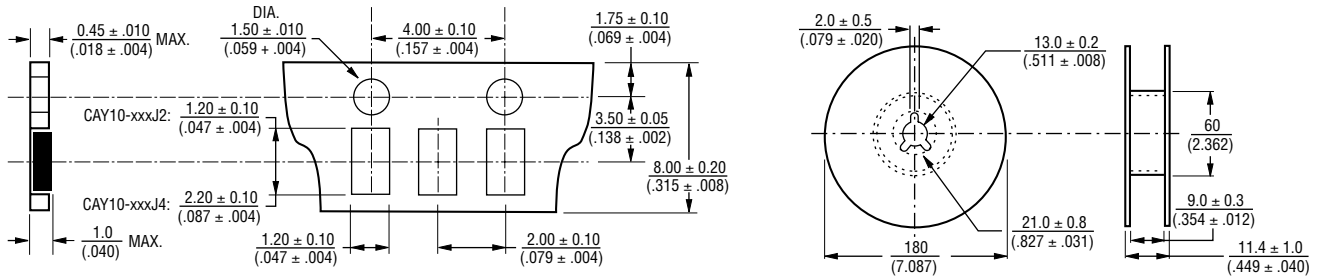


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## Packaging Dimensions



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