

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

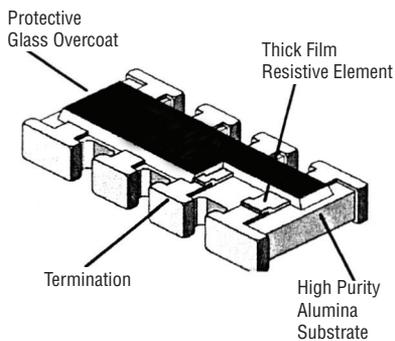
Specifications

| 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 ± 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 |

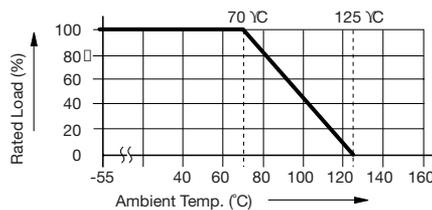
Characteristics

| 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 | 3 ohms - 1 megohm | |
| T.C.R. | 3 ohms ~ 9.1 ohms: ± 500 ppm/°C 10 ohms ~ 1 megohm: ± 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 | |

Characteristics



Derating Curve



Typical Part Marking

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

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).
- ≥ 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)

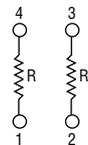
For Standard Values Used in Capacitors, Inductors, and Resistors, [click here](#).

Environmental Characteristics

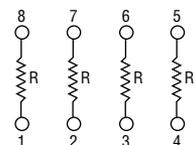
Moisture Sensitivity Level..... 1
ESD Classification (HBM) N/A

Isolated Circuit

CAY10-xxxJ2



CAY10-xxxJ4



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

*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.

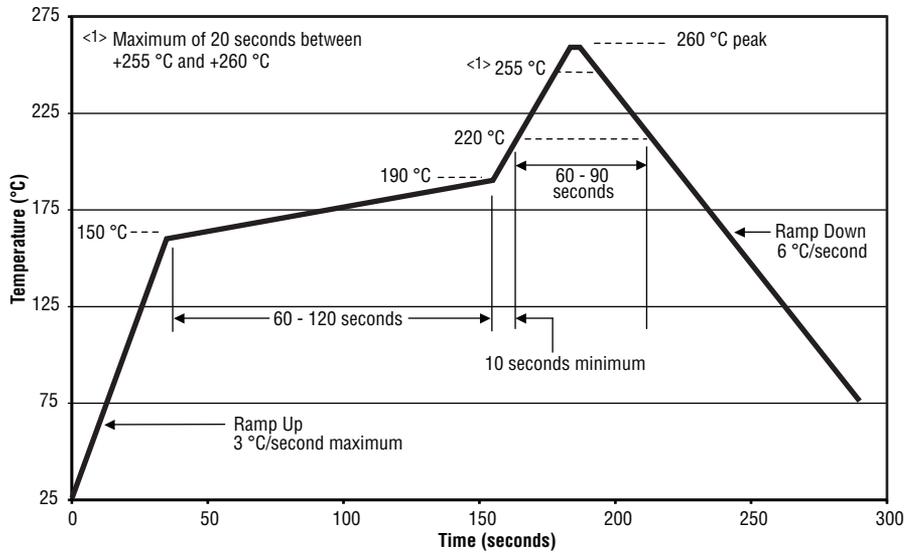
Users should verify actual device performance in their specific applications.

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Model CAY10 - Chip Resistor Array

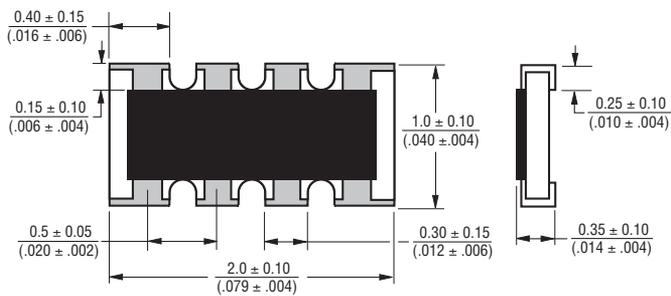
BOURNS®

Soldering Profile for RoHS Compliant Chip Resistor Arrays

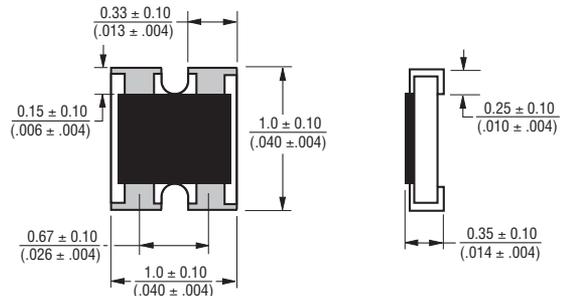


Product Dimensions

CAY10-xxxJ4

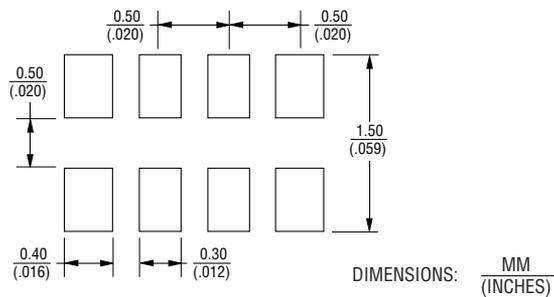


CAY10-xxxJ2

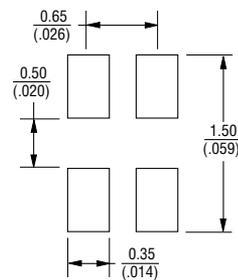


Land Pattern

CAY10-xxxJ4



CAY10-xxxJ2



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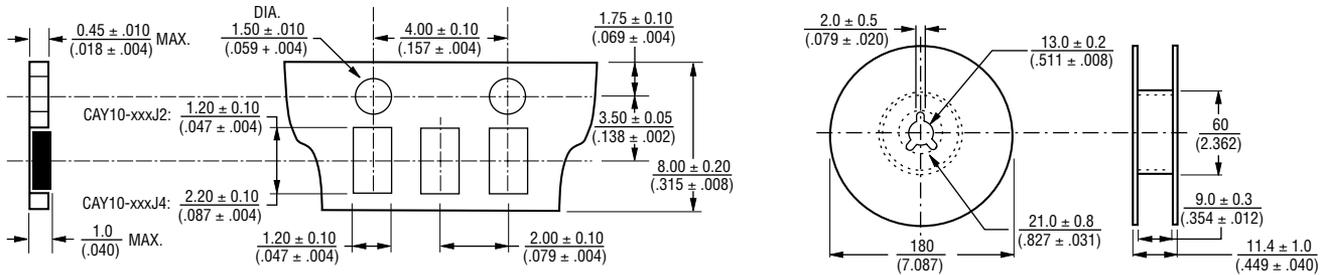
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Model CAY10 - Chip Resistor Array

BOURNS®

Packaging Dimensions



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

REV. 09/18

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