

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

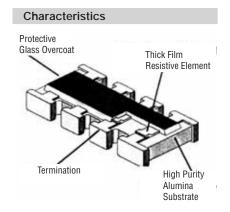
Model CAY10 - Chip Resistor Array

Specifications

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



Typical Part Marking

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

How To Order

CA Y 10 - 103 J 4 LF Type • Y = Convex Model • 10 = 04 Package Width Resistance Code -• <10 ohms: "R" represents decimal</p> 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

• LF = Tin-plated (RoHS compliant)

Terminations

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

Environmental Characteristics

Isolated Circuit



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

*RoHS Directive 2015/863, Mar 31, 2015 and Annex. Specifications are subject to change without notice.

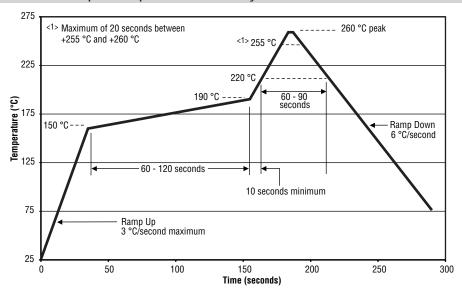
Users should verify actual device performance in their specific applications.

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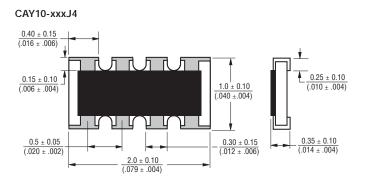
Model CAY10 - Chip Resistor Array

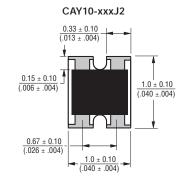
BOURNS®

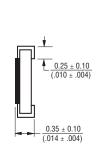
Soldering Profile for RoHS Compliant Chip Resistors and Arrays



Product Dimensions

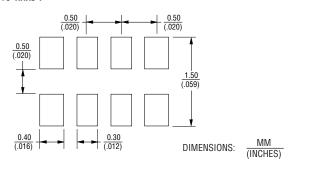




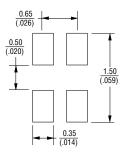


Land Pattern

CAY10-xxxJ4



CAY10-xxxJ2



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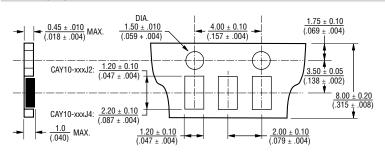
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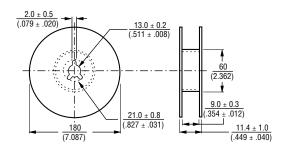
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Model CAY10 - Chip Resistor Array

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Packaging Dimensions





MM DIMENSIONS: (INCHES)

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