

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 $\pm 5\%$, 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	10 ohms - 1 megohm	
T.C.R.	± 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	

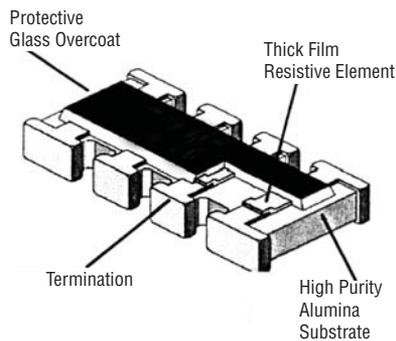
How To Order

CA Y 10 - 103 J 4 LF

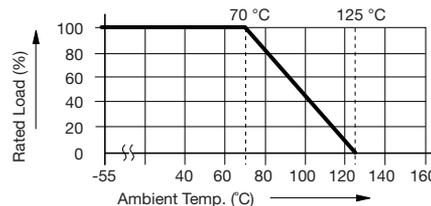
Chip Arrays _____
 Type _____
 • Y = Convex
 Model _____
 • 10 = 04 Package Width
 Resistance Code _____
 • <10 ohms: "R" represents decimal point (example: 4R7 = 4.7 ohms).
 • ≥ 10 ohms: First two digits are significant, third digit represents number of zeros to follow (example: 474 = 470k ohms)
 • 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

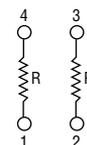


Typical Part Marking

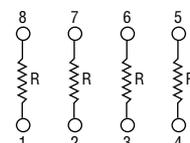
None on part. Label on reel will include part number.

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.

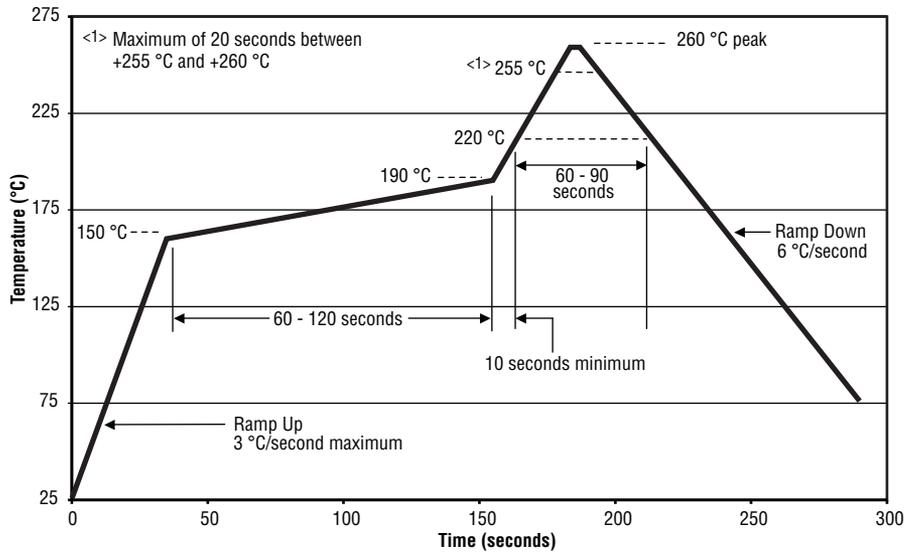
Specifications are subject to change without notice.

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

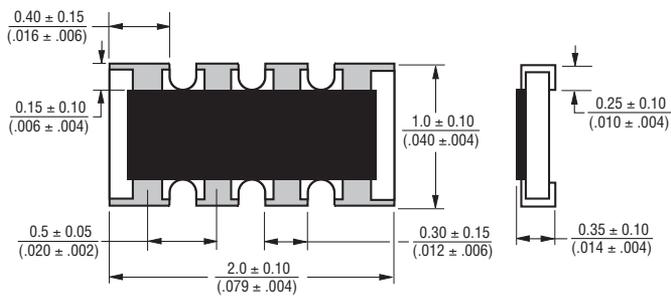
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Soldering Profile for RoHS Compliant Chip Resistors and Arrays

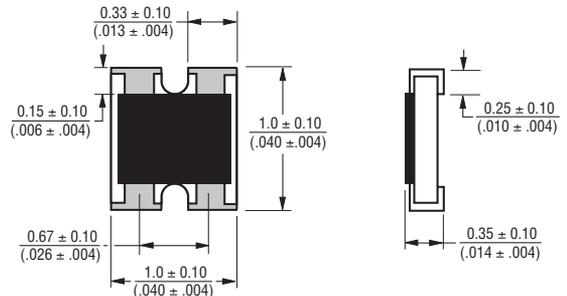


Product Dimensions

CAY10-xxxJ4

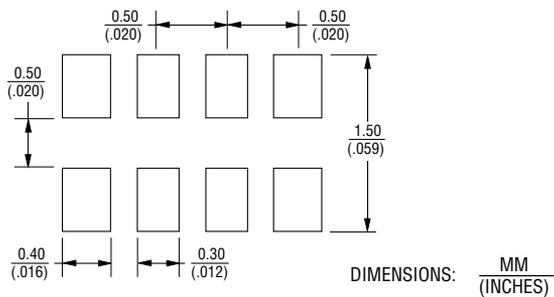


CAY10-xxxJ2

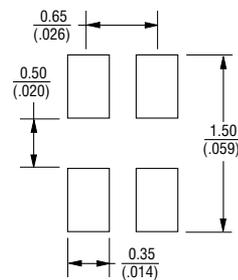


Land Pattern

CAY10-xxxJ4



CAY10-xxxJ2

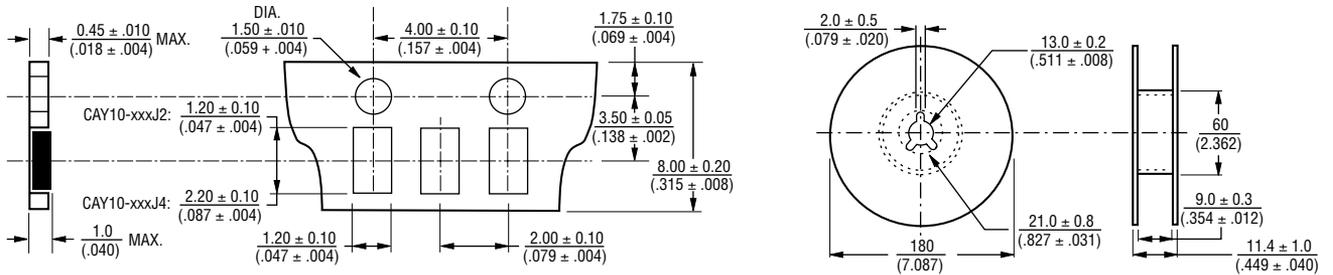


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Model CAY10 - Chip Resistor Array

BOURNS®

Packaging Dimensions



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

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Bourns:

[CAY10-7R5J4](#) [CAY10-7R5J2](#) [CAY10-333J4](#) [CAY10-153J4](#) [CAY10-474J4](#) [CAY10-224J4](#) [CAY10-202J4](#) [CAY10-221J4](#) [CAY10-390J4](#) [CAY10-150J4](#) [CAY10-472J4](#) [CAY10-332J4](#) [CAY10-241J4](#) [CAY10-471J2](#) [CAY10-5R1J2](#) [CAY10-471J4](#) [CAY10-000J4](#) [CAY10-000J2](#) [CAY10-302J4](#) [CAY10-330J4](#) [CAY10-220J2](#) [CAY10-220J4](#) [CAY10-5R1J4](#) [CAY10-130J2](#) [CAY10-3R0J2](#) [CAY10-682J4](#) [CAY10-100J4](#) [CAY10-180J4](#) [CAY10-240J4](#) [CAY10-222J4](#) [CAY10-513J4](#) [CAY10-750J4](#) [CAT10-103J4](#) [CAY10-104J2](#) [CAY10-104J4](#) [CAY10-223J4](#) [CAY10-102J4](#) [CAY10-512J4](#) [CAY10-180J2](#) [CAY10-470J4](#) [CAY10-470J2](#) [CAY10-511J4](#) [CAY10-151J4](#) [CAY10-152J4](#) [CAY10-681J4](#) [CAY10-684J4](#) [CAY10-822J4](#) [CAY10-101J4](#) [CAY10-121J4](#) [CAY10-181J4](#) [CAY10-331J4](#) [CAY10-272J4](#) [CAY10-270J4](#) [CAY10-680J4](#) [CAY10-560J4](#) [CAY10-103J4](#) [CAY10-561J4](#) [CAY10-122J4](#) [CAY10-510J2](#) [CAY10-271J4](#) [CAY10-510J2G](#) [CAY10-273J4](#) [CAY10-430J4](#) [CAY10-473J4](#) [CAY10-820J4](#)