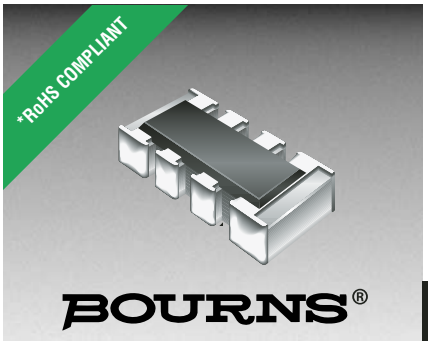


Features

- 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	31 mW	63 mW
Package Power Rating @ 70 °C	63 mW	125 mW
Resistance Tolerance	±5 %	
Resistance Range (E24) plus Zero-ohm Jumper	10 ohms - 1 megohm	
T.C.R.	±250 ppm/°C	
Max. Overload Voltage	50V	
Max. Working Voltage	25V	
Operating Temp. Range	-55 °C to +125 °C	
Rating Temperature	+70 °C	
Packaging	10,000 pieces per reel	

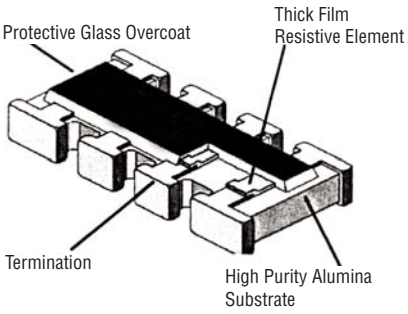
How To Order

CA Y 10 - 103 J 4 LF

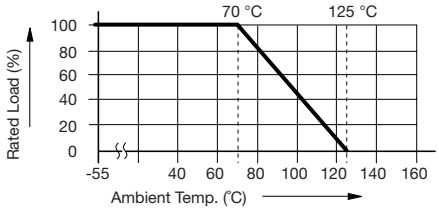
- Chip Arrays
- Type
  - Y = Convex
- Model
  - 10 = 04 Package Width
- Resistance Code
  - 103 = 10 K ohms
  - 000 = Zero-ohm Jumper
- Resistance Tolerance
  - J = ±5 %
- Resistors
  - 2 = 2 Resistors
  - 4 = 4 Resistors
- Terminations
  - LF = Tin-plated (RoHS compliant)

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

Construction



Derating Curve

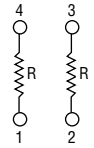


Typical Part Marking

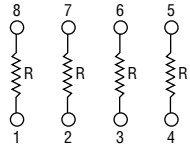
None on part. Label on reel will include part number.

Isolated Circuit

CAY10-xxxJ2



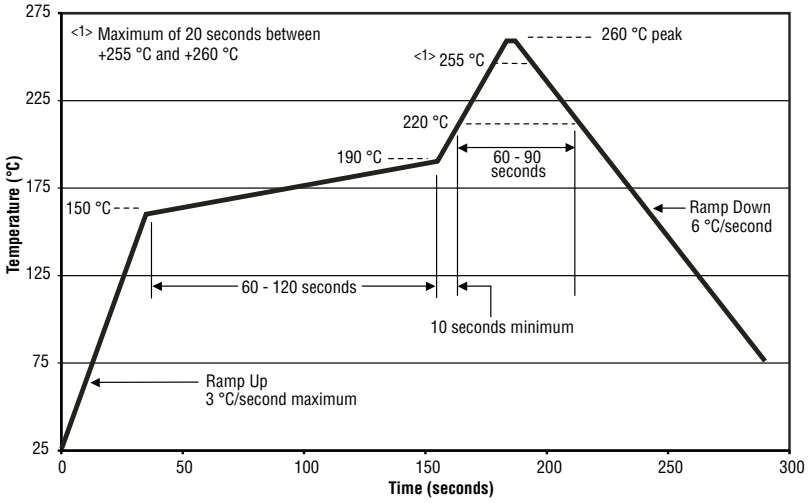
CAY10-xxxJ4



*RoHS Directive 2002/95/EC Jan 27 2003 including Annex

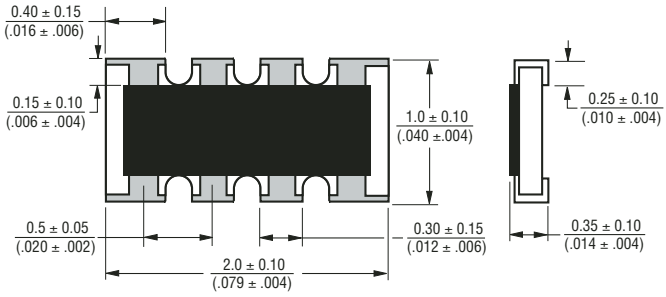
Specifications are subject to change without notice.
Customers should verify actual device performance in their specific applications.

Soldering Profile for RoHS Compliant Chip Resistors and Arrays

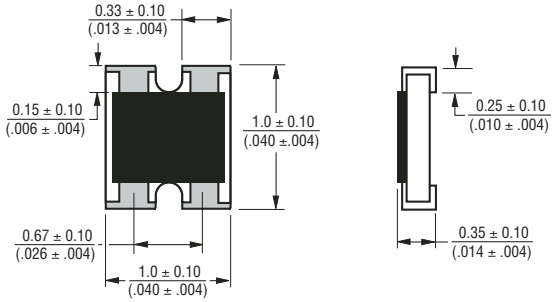


Product Dimensions

CAY10-xxxJ4

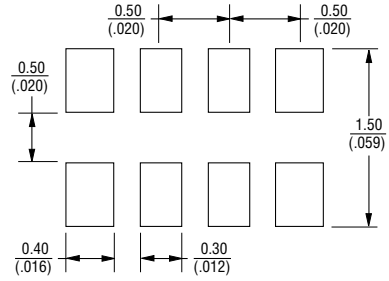


CAY10-xxxJ2



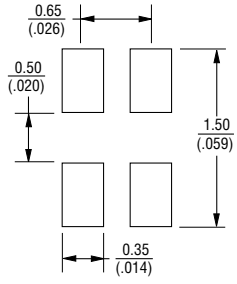
Land Pattern

CAY10-xxxJ4



DIMENSIONS: MM / (INCHES)

CAY10-xxxJ2



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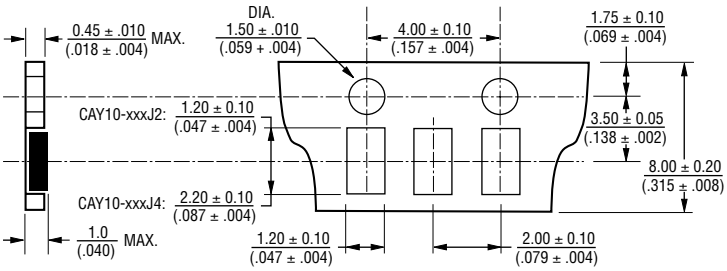
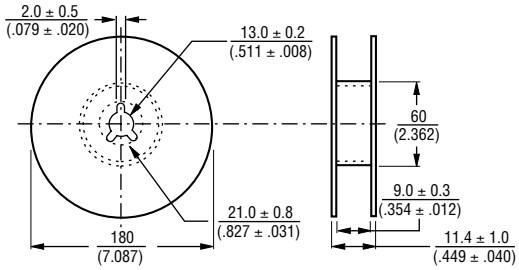
Packaging Dimensions





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