

# **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

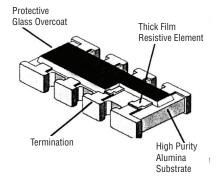
## **Specifications**

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

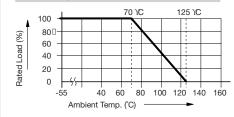
### **Characteristics**

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		

# Characteristics



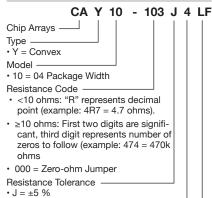
# **Derating Curve**



# **Typical Part Marking**

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

# **How To Order**



Resistors —

• 2 = 2 Resistors

• 4 = 4 Resistors

Terminations

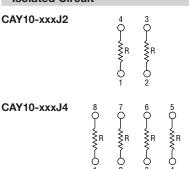
• LF = Tin-plated (RoHS compliant)

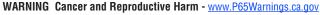
For Standard Values Used in Capacitors, Inductors, and Resistors, click here.

## **Environmental Characteristics**

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

# **Isolated Circuit**





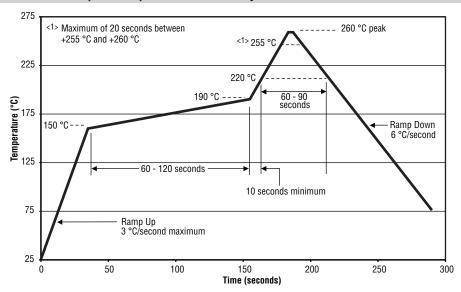
\*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011. Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

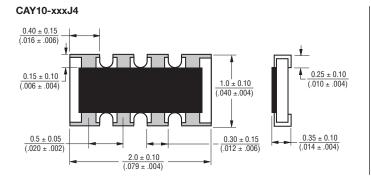
# **Model CAY10 - Chip Resistor Array**

# **BOURNS**®

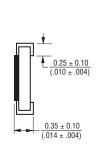
# Soldering Profile for RoHS Compliant Chip Resistors and Arrays



# **Product Dimensions**

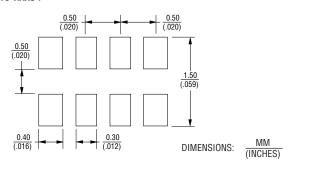


# CAY10-xxxJ2 $0.33 \pm 0.10 \\ \hline (.013 \pm .004)$ $0.15 \pm 0.10 \\ \hline (.006 \pm .004)$ $0.67 \pm 0.10 \\ \hline (.026 \pm .004)$ $0.67 \pm 0.10 \\ \hline (.040 \pm .004)$

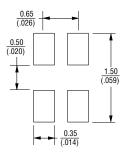


# **Land Pattern**

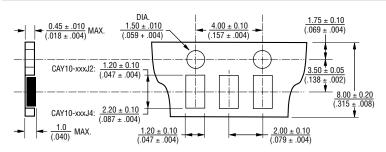
# CAY10-xxxJ4

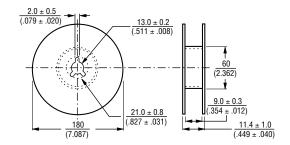


# CAY10-xxxJ2



# **Packaging Dimensions**





MMDIMENSIONS: (INCHES)

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