

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

Electrical 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: ±200 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		

Performance Characteristics

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

Environmental Characteristics

Moisture Sensitivity Level	1
ESD Classification (HRM)	NI/A

Isolated Circuit						
CAY10-xxxJ2	uit	4 O WR O 1	3 0 NR 0 2			
CAY10-xxxJ4	8 O WR	7 	6 O	5 O WR O 4		

Additional Information

Click these links for more information:









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 • 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.



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

Model CAY10 - Chip Resistor Array

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Typical Part Marking

CAY10-xxxJ2

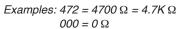
No part marking.



CAY10-xxxJ4

±5 % (E24)

3 digits; first two digits are significant, third digit is the number of zeroes to follow.





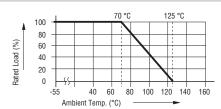
±1 % (E96)

4 digits; first three digits are significant, fourth digit is the number of zeroes to follow

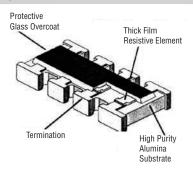
Example: $4701 = 4700 \Omega = 4.7K \Omega$



Derating Curve

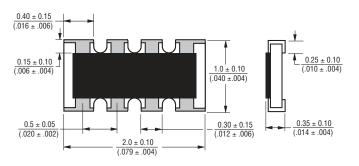


Construction

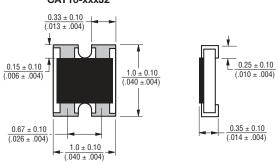


Product Dimensions

CAY10-xxxJ4

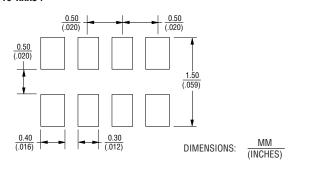


CAY10-xxxJ2

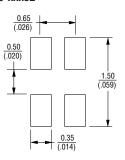


Land Pattern

CAY10-xxxJ4



CAY10-xxxJ2



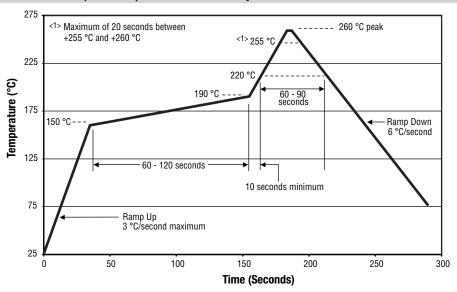
Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

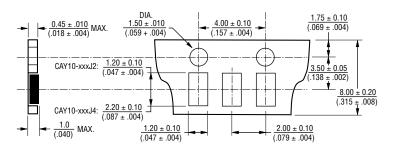
Model CAY10 - Chip Resistor Array

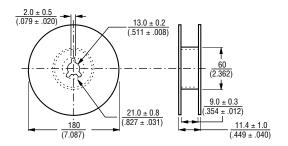
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Soldering Profile for RoHS Compliant Chip Resistors and Arrays



Packaging Dimensions





MM DIMENSIONS: (INCHES)

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