



Features

- Improvement of placement efficiency
- 2/4 isolated resistors in an 0404/0804 size package
- Convex termination style
- E24 series from 10 ohms to 1 megohm
- 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 $\pm 5^\circ\text{C}$, 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 per Element	31mW	
Resistance Tolerance	$\pm 5\%$	
Resistance Range (E24)	10 ohms - 1 megohm	
T.C.R.	$\pm 250\text{ppm}/^\circ\text{C}$	
Max. Overload Voltage	50V	
Max. Working Voltage	25V	
Operating Temp. Range	-55°C to $+125^\circ\text{C}$	
Rating Temperature	$+70^\circ\text{C}$	
Packaging	10,000 pieces per reel	

How To Order

Chip Arrays **CA Y 10 - 103 J 4**

Type _____

- Y = Convex

Model _____

- 10 = 04 Package Width

Resistance Code _____

- 103 = 10K ohms

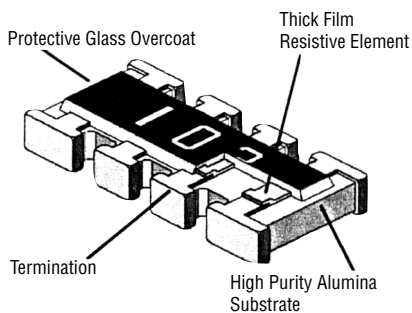
Resistance Tolerance _____

- J = $\pm 5\%$

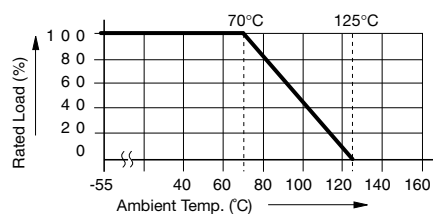
Resistors _____

- 2 = 2 Resistors
- 4 = 4 Resistors

Construction

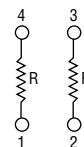


Derating Curve

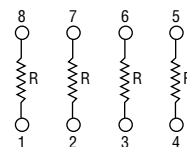


Isolated Circuit

CAY10-xxxJ2



CAY10-xxxJ4

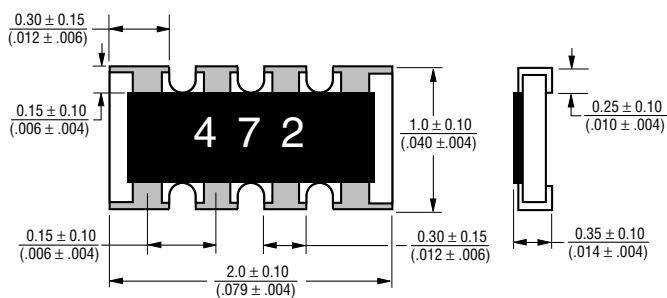


Model CAY10 - Chip Resistor Array

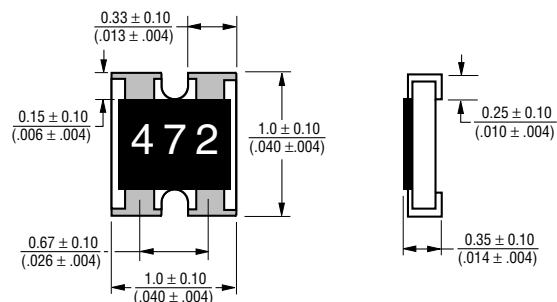
BOURNS®

Product Dimensions

CAY10-xxxJ4

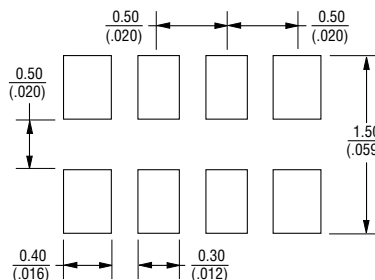


CAY10-xxxJ2



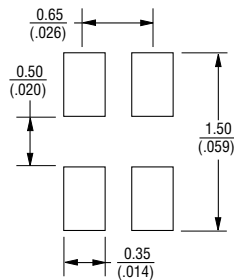
Land Pattern

CAY10-xxxJ4

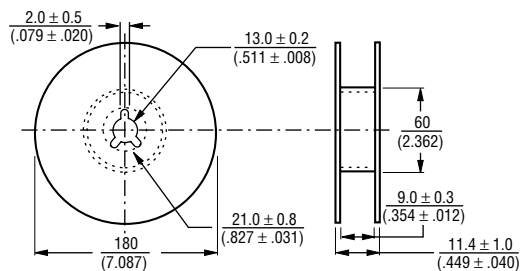
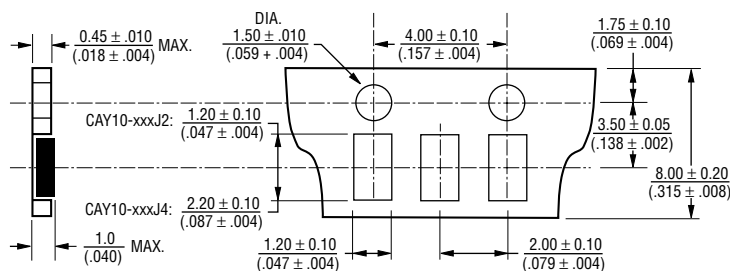


DIMENSIONS: $\frac{\text{MM}}{(\text{INCHES})}$

CAY10-xxxJ2



Packaging Dimensions



Mouser Electronics

Authorized Distributor

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

Bourns:

[CAY10-333J4](#) [CAY10-473J4LF](#) [CAY10-273J4LF](#) [CAY10-430J4LF](#) [CAY10-221J4](#) [CAY10-390J4](#) [CAY10-150J4](#)
[CAY10-150J4LF](#) [CAY10-750J4LF](#) [CAY10-472J4](#) [CAY10-332J4](#) [CAY10-472J4LF](#) [CAY10-272J4LF](#) [CAY10-152J4LF](#)
[CAY10-510J2GLF](#) [CAY10-471J4](#) [CAY10-000J4](#) [CAY10-330J4](#) [CAY10-121J4LF](#) [CAY10-221J4LF](#) [CAY10-220J4](#)
[CAY10-202J4LF](#) [CAY10-302J4LF](#) [CAY10-102J4LF](#) [CAY10-561J4LF](#) [CAY10-682J4](#) [CAY10-224J4LF](#) [CAY10-](#)
[682J4LF](#) [CAY10-101J4LF](#) [CAY10-151J4LF](#) [CAY10-100J4](#) [CAY10-240J4](#) [CAY10-130J2LF](#) [CAY10-333J4LF](#)
[CAY10-222J4](#) [CAY10-7R5J2LF](#) [CAY10-270J4LF](#) [CAY10-470J4LF](#) [CAY10-104J2LF](#) [CAY10-223J4LF](#) [CAY10-104J4](#)
[CAY10-223J4](#) [CAY10-102J4](#) [CAY10-241J4LF](#) [CAY10-332J4LF](#) [CAY10-512J4](#) [CAY10-331J4LF](#) [CAY10-470J4](#)
[CAY10-153J4LF](#) [CAY10-151J4](#) [CAY10-152J4](#) [CAY10-181J4LF](#) [CAY10-681J4LF](#) [CAY10-822J4](#) [CAY10-684J4LF](#)
[CAY10-101J4](#) [CAY10-822J4LF](#) [CAY10-331J4](#) [CAY10-390J4LF](#) [CAY10-272J4](#) [CAY10-270J4](#) [CAY10-470J2LF](#)
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[474J4LF](#) [CAY10-560J4LF](#) [CAY10-471J2LF](#) [CAY10-240J4LF](#) [CAY10-430J4](#) [CAY10-222J4LF](#) [CAY10-122J4LF](#)
[CAY10-473J4](#) [CAY10-820J4](#)