

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

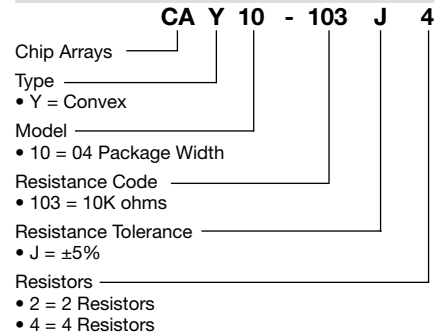
Specifications

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

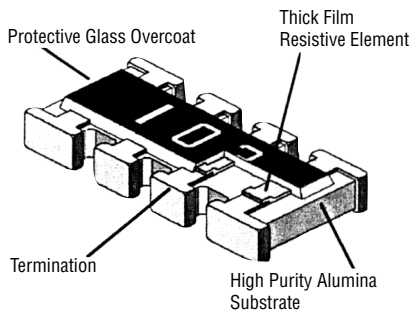
Characteristics

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	

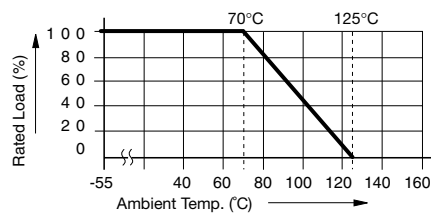
How To Order



Construction

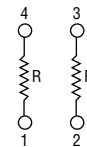


Derating Curve

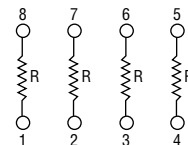


Isolated Circuit

CAY10-xxxJ2



CAY10-xxxJ4

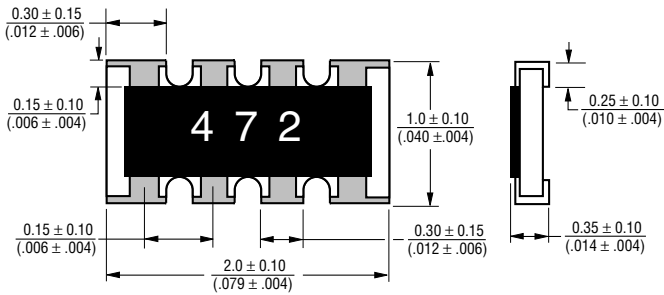


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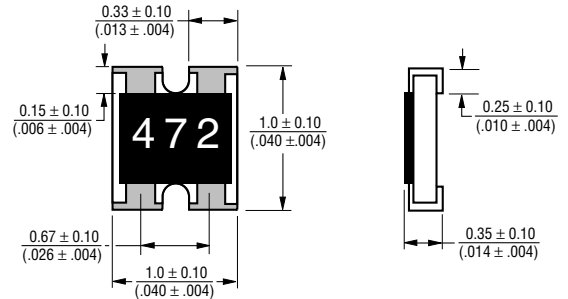
BOURNS®

Product Dimensions

CAY10-xxxJ4

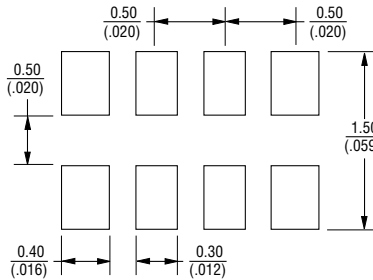


CAY10-xxxJ2



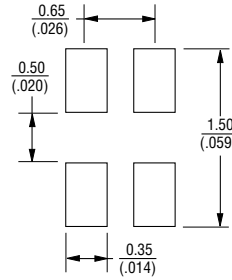
Land Pattern

CAY10-xxxJ4



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

CAY10-xxxJ2



Packaging Dimensions

