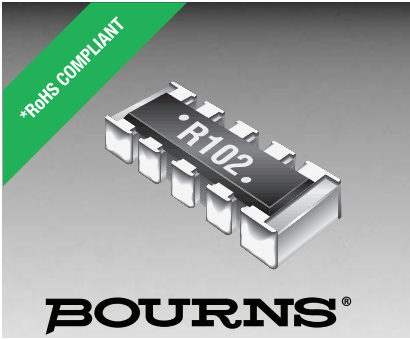




**THE DATASHEET OF  
CAY17-510JALF**





## Features

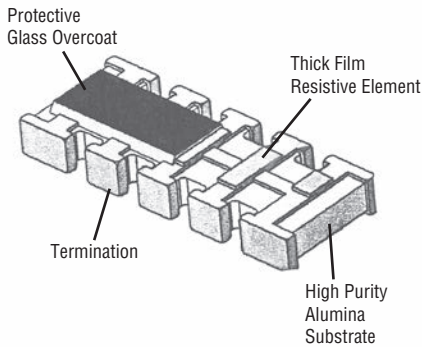
- JA version available to 100K ohms
- 10 pin with 8 resistors in bussed type for pull up/down circuit
- Convex termination style
- Resistance tolerance  $\pm 5\%$
- E24 Series from 10 ohms to 43K ohms
- Suitable for all types of soldering processes
- Paper tape on plastic reel for automatic placement
- RoHS compliant\*

## Model CAY17 - Bussed Resistor Array

### Characteristics

Number of Resistors .. 8 (bussed circuit)  
 Power Rating per Resistor @ 70 °C ..... 0.0625 W  
 Package Power Rating @ 70 °C ..... 0.250 W  
 Operating Temperature Range ..... -55 °C to +155 °C  
 Derated to 0 Load @ ..... +125 °C  
 Max. Working Voltage ..... 25 V  
 Max. Overload Voltage ..... 50 V  
 Resistance Tolerance .....  $\pm 5\%$   
 Resistance Range/E24 Series  
 JA version ..... 10 ohms to 100K ohms  
 JB version ..... 10 ohms to 43K ohms  
 T.C.R. ....  $\pm 250$  ppm/°C

### Construction



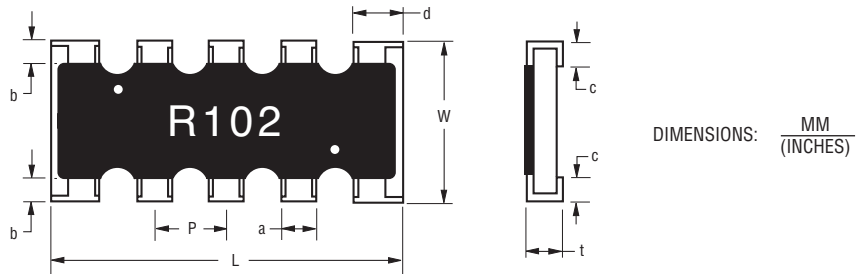
### How To Order

**CA Y 17 - 103 J A LF**

Chip Arrays \_\_\_\_\_  
 Type \_\_\_\_\_  
 • Y = Convex \_\_\_\_\_  
 Model \_\_\_\_\_  
 • 17 = 1206 Package Size \_\_\_\_\_  
 Resistance Code \_\_\_\_\_  
 • <10 ohms: "R" represents decimal point (example: 4R7 = 4.7 ohms).  
 •  $\geq 10$  ohms: First two digits are significant, third digit represents number of zeros to follow (example: 474 = 470K ohms)  
 (JA range: 10 ohms to 100K ohms;  
 JB range: 10 ohms to 43K ohms)  
 Resistance Tolerance \_\_\_\_\_  
 • J =  $\pm 5\%$  \_\_\_\_\_  
 Resistors \_\_\_\_\_  
 • A = Common from terminal 5 to 10  
 • B = Common from terminal 1 to 4  
 Terminations \_\_\_\_\_  
 • LF = Tin-plated (RoHS compliant)

For Standard Values Used in Capacitors, Inductors, and Resistors, [click here](#).

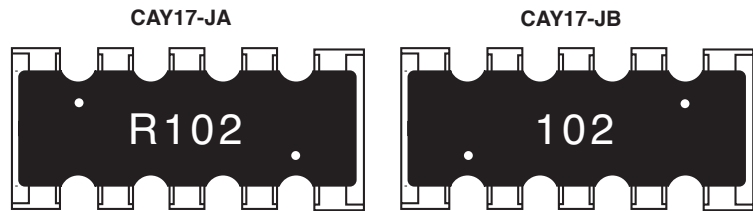
### Product Dimensions



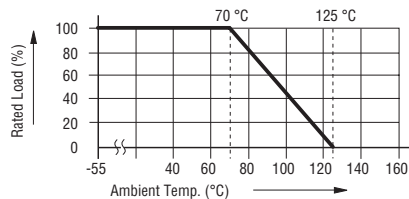
Model	L	W	t	p
CAY17-JA	$3.20 \pm 0.20$ (0.126 $\pm$ 0.008)	$1.60 \pm 0.15$ (0.063 $\pm$ 0.006)	$0.50 \pm 0.10$ (0.020 $\pm$ 0.004)	$0.64 \pm 0.05$ (0.126 $\pm$ 0.002)
CAY17-JB	$3.20 \pm 0.20$ (0.126 $\pm$ 0.008)	$1.60 \pm 0.10$ (0.063 $\pm$ 0.004)	$0.50 \pm 0.10$ (0.020 $\pm$ 0.004)	$0.64 \pm 0.05$ (0.126 $\pm$ 0.002)

Model	a	b	c	d
CAY17-JA	$0.35 \pm 0.20$ (0.014 $\pm$ 0.008)	$0.30 \pm 0.20$ (0.012 $\pm$ 0.008)	$0.30 \pm 0.20$ (0.012 $\pm$ 0.008)	$0.50 \pm 0.10$ (0.020 $\pm$ 0.004)
CAY17-JB	$0.40 \pm 0.10$ (0.016 $\pm$ 0.004)	$0.30 \pm 0.20$ (0.012 $\pm$ 0.008)	$0.25 \pm 0.10$ (0.010 $\pm$ 0.004)	$0.55 \pm 0.10$ (0.022 $\pm$ 0.004)

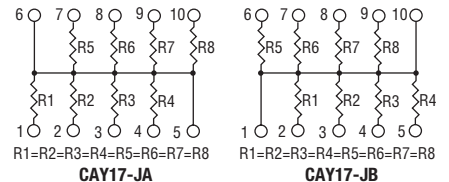
### Typical Part Marking



### Derating Curve



### Bussed Circuits

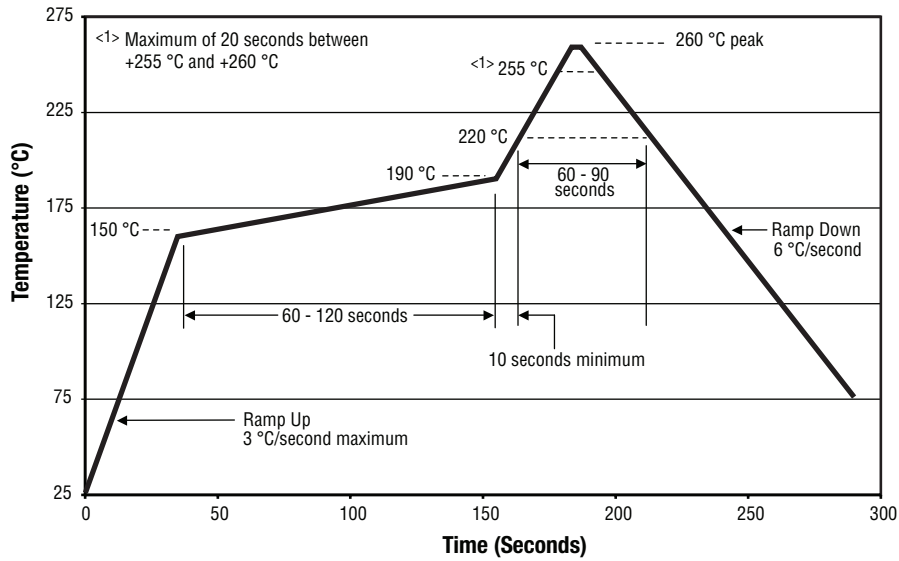


\*RoHS Directive 2015/863, Mar 31, 2015 and Annex.  
 Specifications are subject to change without notice.  
 Users should verify actual device performance in their specific applications.  
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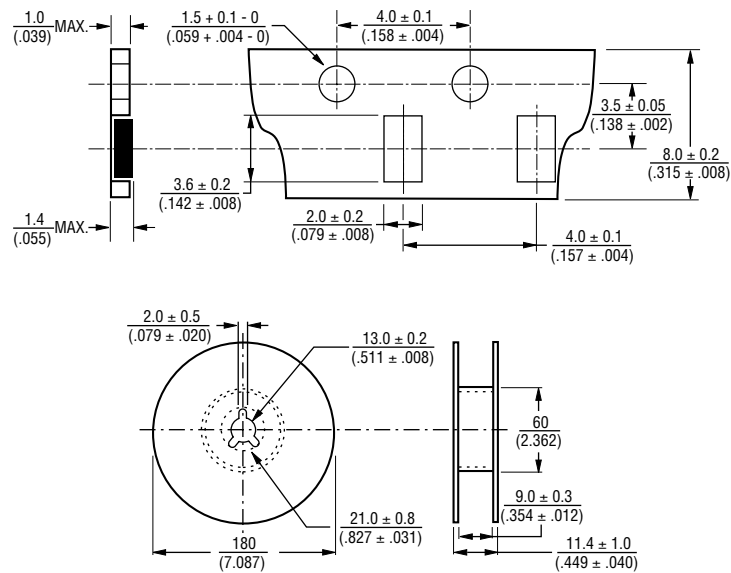
# Model CAY17 - Bussed Resistor Array

**BOURNS®**

## Soldering Profile for RoHS Compliant Chip Resistors and Arrays



## Packaging Dimensions



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

REV. 08/20

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Users should verify actual device performance in their specific applications.

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