

Features

- Available to 100K ohms
- 10 pin with 8 resistors in bussed type for pull up/down circuit
- Convex termination style
- Resistance tolerance ±5 %
- E24 Series from 10 ohms to 43K ohms
- Suitable for all types of soldering processes

Model CAY17 - Bussed Resistor Array

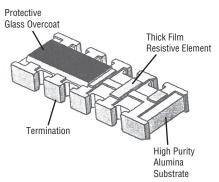


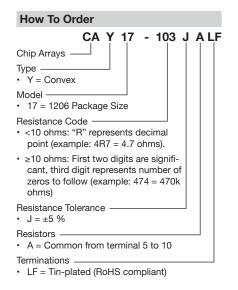
- Paper tape on plastic reel for automatic placement
- RoHS compliant*

Characteristics

| Number of Resistors 8 (bussed circuit) Power Rating per Resistor @ 70 °C |
|-----------------------------------------------------------------------------|
| |
| Package Power Rating @ 70 °C |
| 0.250 W |
| Operating Temperature Range |
| |
| Derated to 0 Load @+125 °C |
| Max. Working Voltage25 V |
| Max. Overload Voltage50 V |
| Resistance Tolerance ±5 % |
| Resistance Range/E24 Series |
| 10 ohms to 100K ohms |
| T.C.R±250 ppm/°C |

Construction





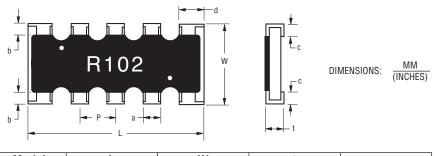
For Standard Values Used in Capacitors, Inductors, and Resistors, <u>click here</u>.

Additional Information

Click these links for more information:



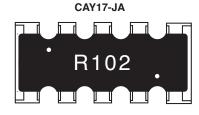
Product Dimensions



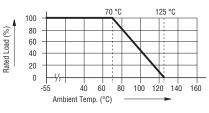
| Model | L | W | t | р |
|----------|---------------------|---------------------|--------------------------------|--------------------------------|
| CAY17-JA | 3.20 ± 0.20 | 1.60 ± 0.15 | 0.50 ± 0.10 | 0.64 ± 0.05 |
| | (0.126 ± 0.008) | (0.063 ± 0.006) | $(\overline{0.020 \pm 0.004})$ | $(\overline{0.126 \pm 0.002})$ |
| | | | | |

| Model | а | b | С | d |
|----------|---------------------|---------------------|---------------------|--------------------------------|
| CAY17-JA | 0.35 ± 0.20 | 0.30 ± 0.20 | 0.30 ± 0.20 | 0.50 ± 0.10 |
| | (0.014 ± 0.008) | (0.012 ± 0.008) | (0.012 ± 0.008) | $(\overline{0.020 \pm 0.004})$ |

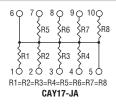
Typical Part Marking



Derating Curve



Bussed Circuit

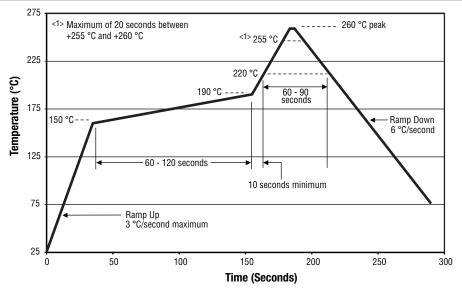


WARNING Cancer and Reproductive Harm

*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. The products described herein and this document are subject to specific legal disclaimers as set forth on the last page of this document, and at www.bourns.com/docs/legal/disclaimer.pdf.

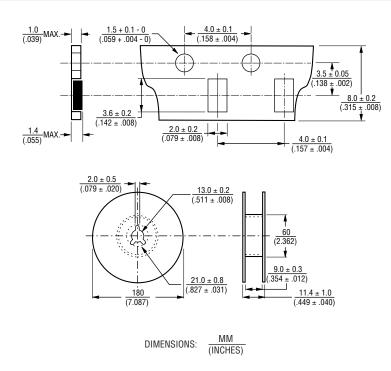
Model CAY17 - Bussed Resistor Array

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Soldering Profile for RoHS Compliant Chip Resistors and Arrays

Packaging Dimensions



REV. 10/22

Specifications are subject to change without notice.

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Chip Resistor Arrays - Application Note

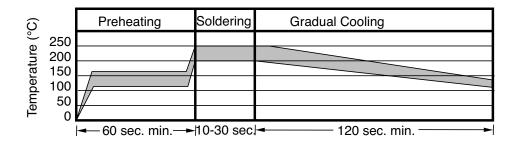
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Component Placement

- a. Reduce the mechanical stress to a minimum during and after placing of the unit in order not to damage the terminals and protective coating.
- b. Misplacement of components may cause solder bridges.

Soldering

- a. Reflow soldering: Recommendation is shown in the following chart.
- b. Wave soldering: Recommendation according to IEC standards.
- c. Hand soldering: Don't touch the protective coating of the part. Solder within 3 seconds when the temperature is over 280 °C.



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