

### Features

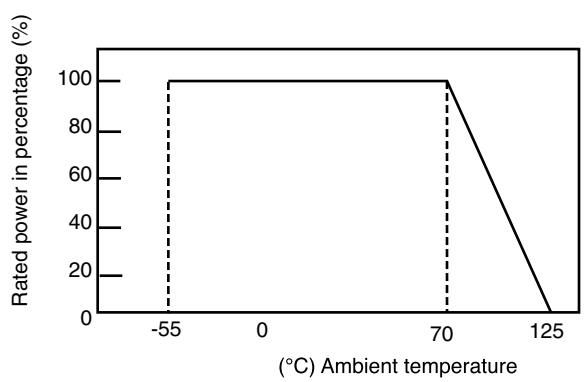
- Small package dimensions
- RoHS compliant\*
- Power rating at 70 °C = 1/16 W
- Tight dimensional tolerances
- Three layer termination process with nickel barrier prevents leaching and provides excellent solderability
- Suitable for most types of soldering processes
- Standard packaging on paper tape and reel

## CR0402 - Chip Resistor

### Electrical Characteristics

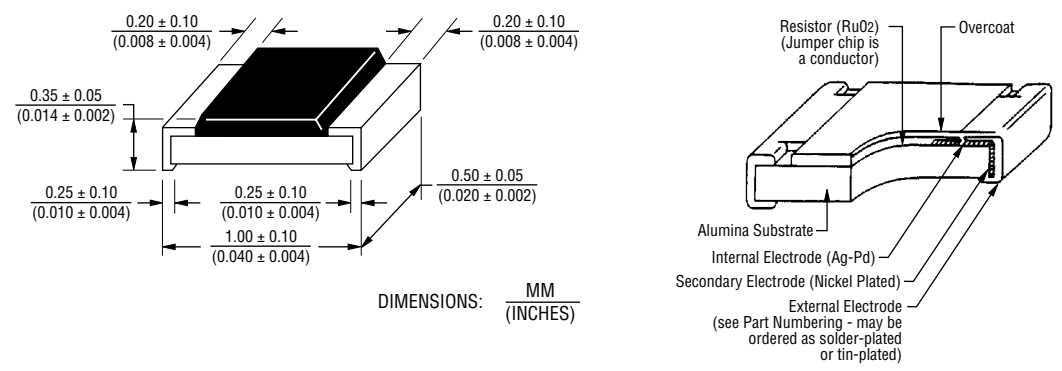
Power Rating @ 70 °C ..... 1/16 W  
 Operating Temperature Range ..... -55 °C to +125 °C  
 Derated to 0 Load at ..... +125 °C  
 Maximum Working Voltage ..... 50 V  
 Maximum Overload Voltage ..... 100 V  
 Resistance Range  
 1 %, E-96 and E-24 ..... 10 ohms to 1 megohm  
 5 %, E-24 ..... 2.2 ohms to 5.6 megohms  
 Zero Ohm Jumper ..... <0.05 ohms  
 Temperature Coefficient  
 1 % ..... ±100 ppm/°C  
 5 % ..... ±200 ppm/°C  
 2.2 ohm to 10 ohms ..... -200 ppm/°C to +500 ppm/°C

### Derating Curve

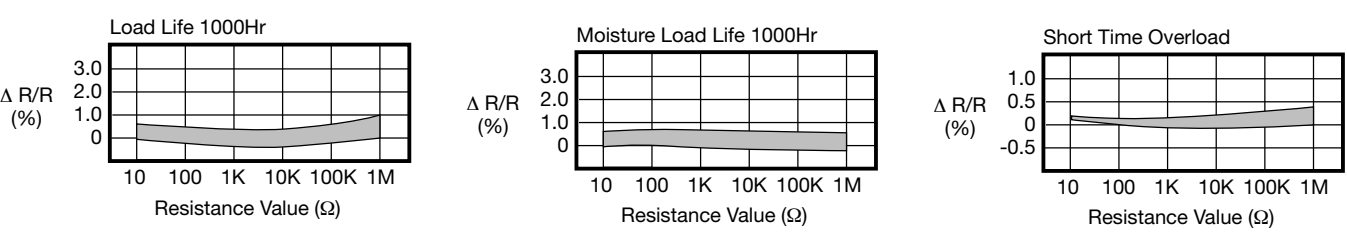


For Standard Values Used in Capacitors, Inductors, and Resistors, [click here](#).

### Dimensional Drawings



### Characteristic Data

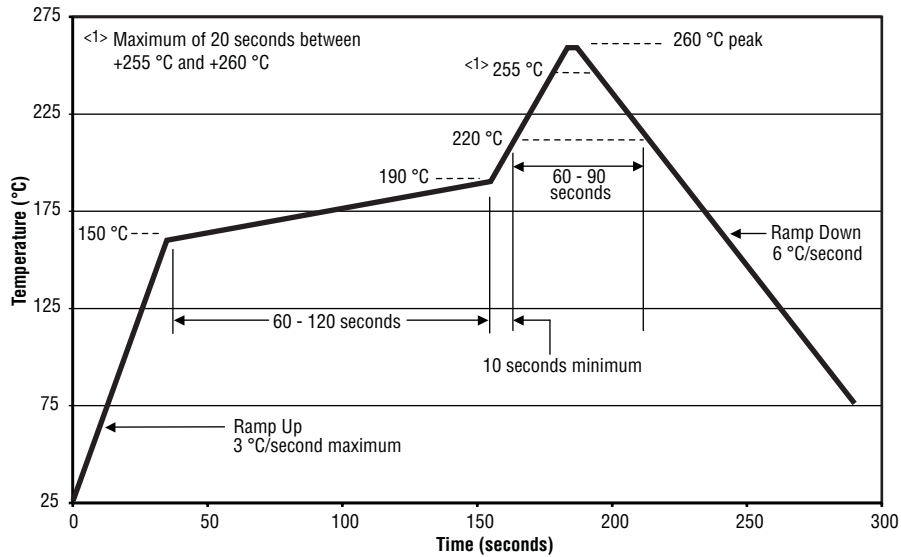


\*RoHS Directive 2002/95/EC Jan 27 2003 including Annex. Specifications are subject to change without notice. Customers should verify actual device performance in their specific applications.

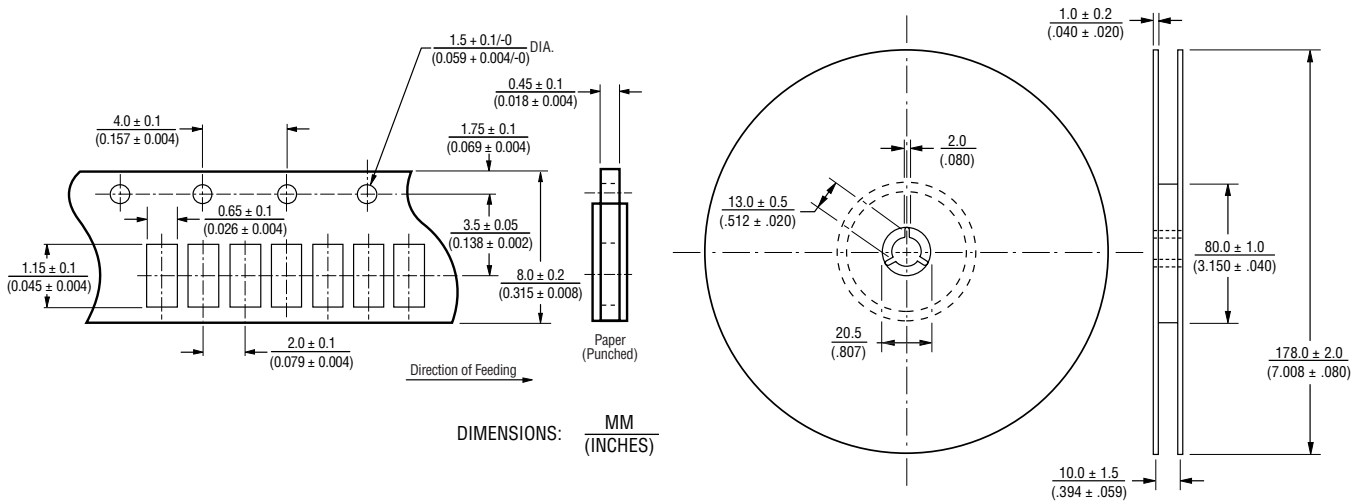
# CR0402 - Chip Resistor

**BOURNS®**

## Soldering Profile for RoHS Compliant Chip Resistors and Arrays



## Packaging Dimensions (Conforms to EIA RS-481A)



## Part Marking System

No Marking on the CR0402 Chip Resistors.

