

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

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CR0402 - Chip Resistor

Electrical Characteristics

Power Rating @ 70 °C 1/16 W Operating Temperature Range-55 °Č to +125 °C

Derated to 0 Load at+125 °C Maximum Working Voltage.....50 V Maximum Overload Voltage100 V Resistance Range

1 %, E-96 and E-24

.....10 ohms to 1 megohm

5 %, E-24

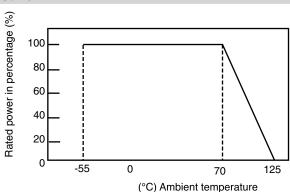
.....2.2 ohms to 5.6 megohms Zero Ohm Jumper.....<0.05 ohms Temperature Coefficient

1 %.....±100 ppm/°C 5 %.....±200 ppm/°C

2.2 ohm to 10 ohms

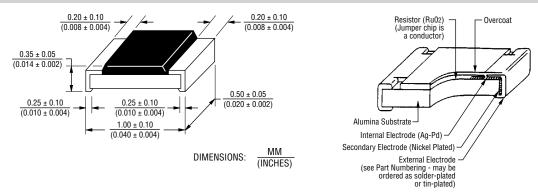
.....-200 ppm/°C to +500 ppm/°C



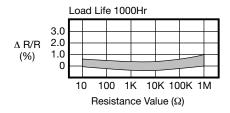


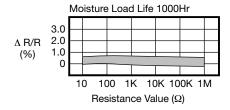
For Standard Values Used in Capacitors, Inductors, and Resistors, click here.

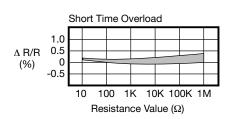
Dimensional Drawings



Characteristic Data





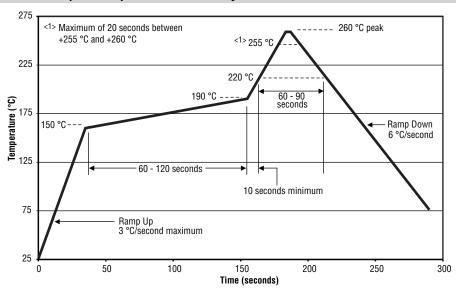


^{*}RoHS Directive 2002/95/EC Jan 27 2003 including Annex. Specifications are subject to change without notice. Customers should verify actual device performance in their specific applications.

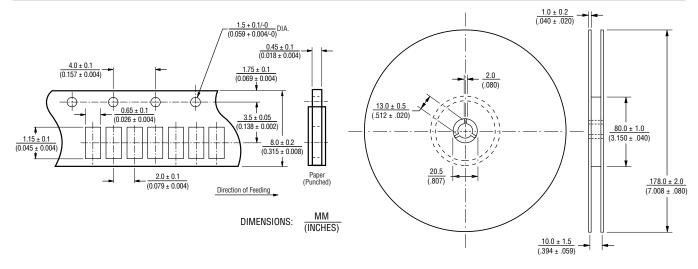
CR0402 - Chip Resistor

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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.

CR0402 - Chip Resistor

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How to Order CR 0402 - F X - 8252 G LF Model (CR = Chip Resistor) Size • 0402 Resistance Tolerance - $F = \pm 1 \%$Used with "X" TCR code only for values from 10 ohms through 1 megohm. and for values from 1 ohm through 9.1 ohms. TCR (ppm/°C) $X = \pm 100$Used with "F" Resistance Tolerance code only for values from 10 ohms through 1 megohm. $W = \pm 200$Used with "J" Resistance Tolerance code only for values from 10 ohms through 5.6 megohms. / = -250 to +500 ... Used with "J" Resistance Tolerance code only for zero ohm (jumper), and for values from 1 ohm through 9.1 ohms. Resistance Value For 1 % Tolerance: <10 ohms"R" designates decimal point (example: 4R7 = 4.7 ohms) ≥10 ohmsFirst two digits are significant, third digit represents number of zeros to follow (example: 474 = 470k ohms; 000 = Jumper). G = Paper Tape (10,000 pcs.) on 7 " Plastic Reel

REV. 07/10

Termination

LF = Tin-plated (RoHS compliant)