

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

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

Power Rating @ 70 °C 1/16 W

1 %, E-96 and E-24

.....10 ohms to 1 megohm

5 %, E-24

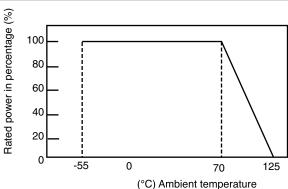
.....2.2 ohms to 5.6 megohms Zero Ohm Jumper.....<0.05 ohms Temperature Coefficient

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

2.2 ohm to 10 ohms

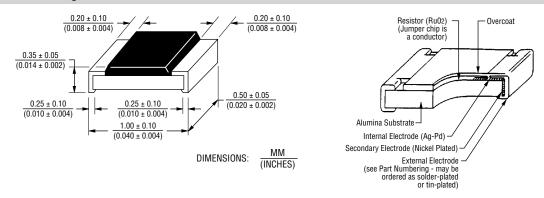
.....-200 ppm/°C to +500 ppm/°C



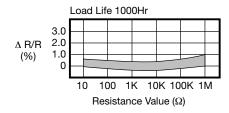


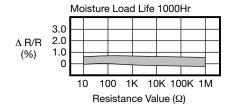
For Standard Values Used in Capacitors, Inductors, and Resistors, click here.

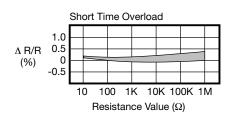
Dimensional Drawings



Characteristic Data





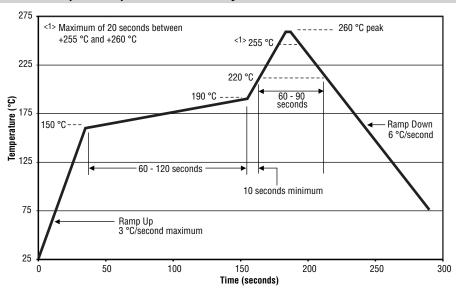


^{*}RoHS Directive 2002/95/EC Jan 27 2003 including Annex. Specifications are subject to change without notice. Customers should verify actual device performance in their specific applications.

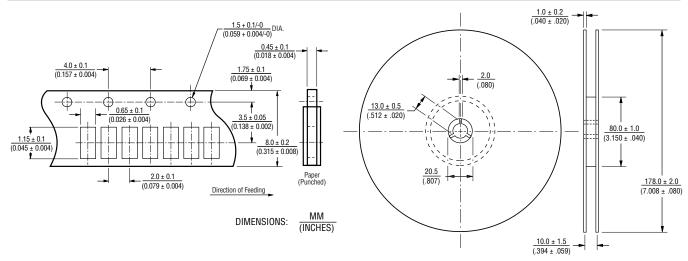
CR0402 - Chip Resistor

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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

	3 ()402	2 -	Ę	X -	825	2 (G LF
Model (CR = Chip Resistor)								
Size —								
• 0402								
Resistance Tolerance								
F = ±1 %Used with "X" TCR code only for values from 10 ohms through 1 megohm.								
J = ±5 %	ero c	ohm (jump	oer)				
TCR (ppm/°C) X = ±100Used with "F" Resistance Tolerance code only for values from 10 ohms through 1 megohm. W = ±200Used with "J" Resistance Tolerance code only for values from 10 ohms through 5.6 megohms. / = -250 to +500Used with "J" Resistance Tolerance code only for zero ohm (jumper), and for values from 1 ohm through 5.6 megohms.	 ough	9.10	ohms	 S.	Т			
Resistance Value								
For 1 % Tolerance: <100 ohms"R" designates decimal point (example: 24R3 = 24.3 ohms) ≥100 ohmsFirst three digits are significant, fourth digit represents number of zeros to follow (example: 8252 = 8	2.5k	c ohn	ns).					
For 5 % Tolerance: <10 ohms	ohn	ns; 0(00 =	Jun	nper)			
Packaging G = Paper Tape (10,000 pcs.) on 7 " Plastic Reel								1
Termination LF = Tin-plated (RoHS compliant)								

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