

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

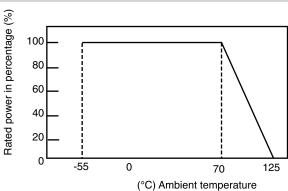
.....2.2 ohms to 5.6 megohms Zero Ohm Jumper.....<0.05 ohms Temperature Coefficient

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

2.2 ohm to 10 ohms

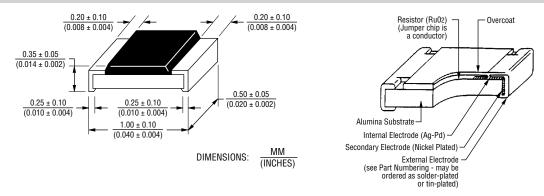
.....-200 ppm/°C to +500 ppm/°C



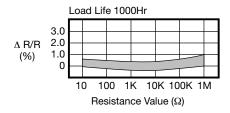


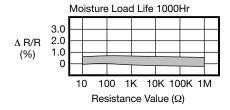
For Standard Values Used in Capacitors, Inductors, and Resistors, click here.

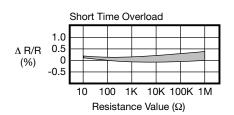
Dimensional Drawings



Characteristic Data





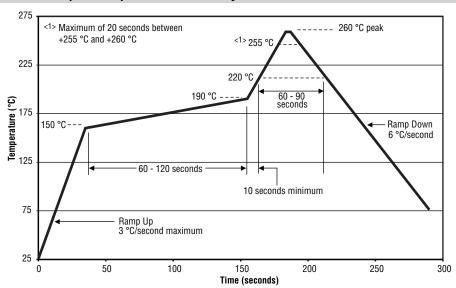


^{*}RoHS Directive 2002/95/EC Jan 27 2003 including Annex. Specifications are subject to change without notice. Customers should verify actual device performance in their specific applications.

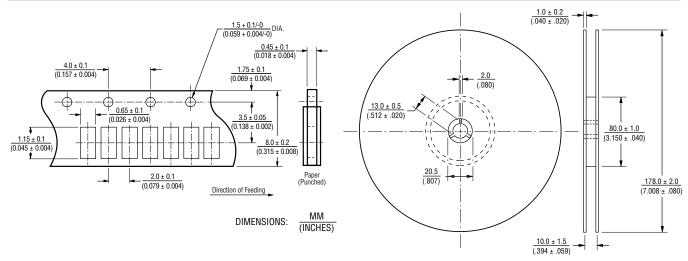
CR0402 - Chip Resistor

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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

	CR	040	2 -	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.								
$J = \pm 5$ %	or zer	o ohm	(jump	er)				
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	throu	gh 9.1	ohms		J			
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	. = 82.	.5k oh	ms).					
For 5 % 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 = 4	70k o	hms; (000 =	Jum	iper).			
Packaging G = Paper Tape (10,000 pcs.) on 7 " Plastic Reel								
Termination LF = Tin-plated (RoHS compliant)								

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