

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

Derated to 0 Load at+155 °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

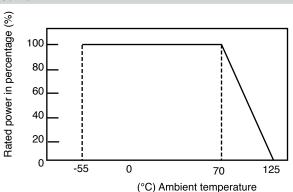
......2.2 ohms to 5.6 megohms Zero Ohm Jumper......<0.05 ohms Temperature Coefficient

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

2.2 ohm to 10 ohms

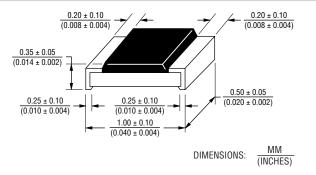
.....-200 ppm/°C to +500 ppm/°C

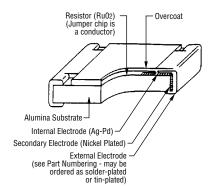




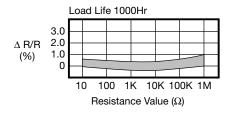
For Standard Values Used in Capacitors, Inductors, and Resistors, click here.

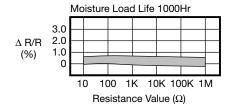
Dimensional Drawings

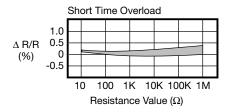




Characteristic Data





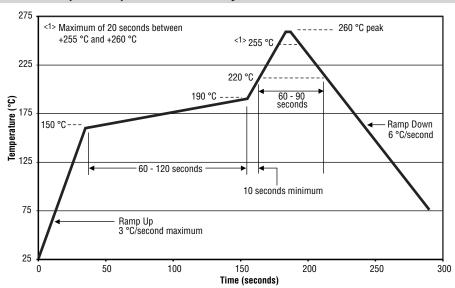


^{*}RoHS Directive 2002/95/EC Jan 27 2003 including Annex. Specifications are subject to change without notice. Customers should verify actual device performance in their specific applications

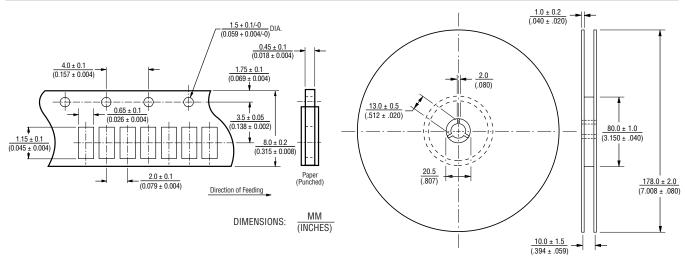
CR0402 - Chip Resistor

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.

CR0402 - Chip Resistor

BOURNS®

How to Order

	CR	0402	- F	X -	8252	G L
Model ————————————————————————————————————	_					
Size -						
• 0402						
Resistance Tolerance						
$F = \pm 1 \%$ Used with "X" TCR code only for values from 10 ohms through 1 megohm.						
$J = \pm 5$ %	r zero	ohm (ju	mper)			
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 to the control of the c	hroug	h 9.1oh	ims.	_		
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:	= 82.5	k ohms	s).			
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 = 47	0k oh	ms; 000) = Ju	mper).		
Packaging G = Paper Tape (10,000 pcs.) on 7 " Plastic Reel						_
Termination LF = Tin-plated (RoHS compliant)						