

Features

- Requires 64 % less space than 0402-size resistor
- RoHS compliant*
- Power rating at 70 °C = 1/20 W
- 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

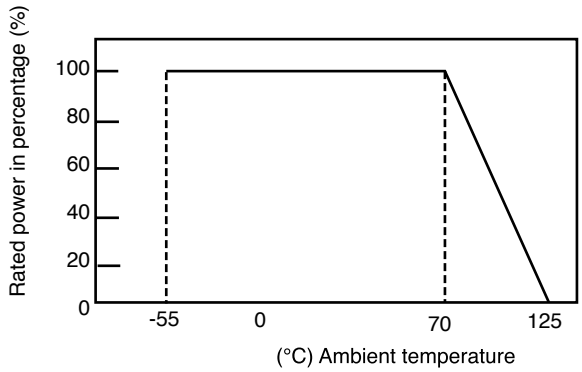
CR0201 - Chip Resistor

Electrical Characteristics

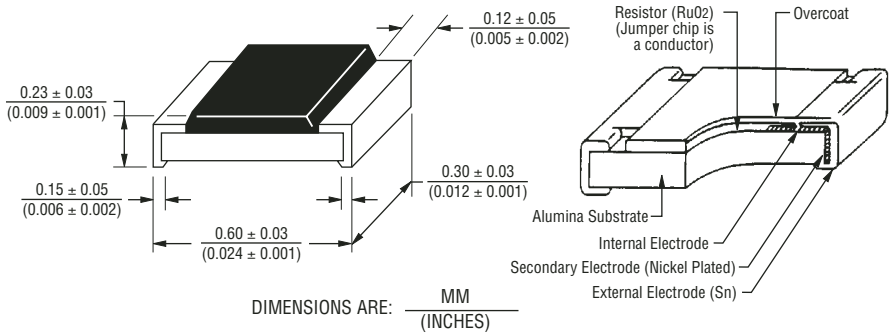
Power Rating @ 70 °C.....1/20 W
Operating Temperature Range
.....-55 °C to +125 °C
Derated to 0 Load at .....+125 °C
Maximum Working Voltage.....25 V
Maximum Overload Voltage .....50 V
Resistance Range
1 %, E-96 and E-24
.....10 ohms to 1 megohm
5 %, E-24
.....10 ohms to 1 megohm
Zero Ohm Jumper.....<0.05 ohms
Temperature Coefficient
1 % and 5 %.....±250 ppm/°C
.....Zero Ohm Jumper
.....-200 ppm/°C to +500 ppm/°C

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

Derating Curve



Dimensional Drawings



How To Order

CR 0201 - F W - 8252 G LF

Model
(CR = Chip Resistor)

Size
• 0201

Resistance Tolerance
F = ±1 % .....For values from 10 ohms through 1 megohm.
J = ±5 % .....For values from 10 ohms through 1 megohm, and for zero ohm jumper.

TCR (ppm/°C)
W = ±250 .....Used with "F" and "J" Resistance Tolerance code for all values except zero ohm jumper.
/ = -250 to +500 ..Used with zero ohm jumper only.

Resistance Value
For 1 % Tolerance:
<100 ohms.....“R” designates decimal point (example: 24R3 = 24.3 ohms)
≥100 ohms.....First three digits are significant, fourth digit represents number of zeros to follow (example: 8252 = 82.5k ohms).
For 5 % Tolerance:
≥10 ohms.....First two digits are significant, third digit represents number of zeros to follow (example: 474 = 470k ohms; 000 = Jumper).

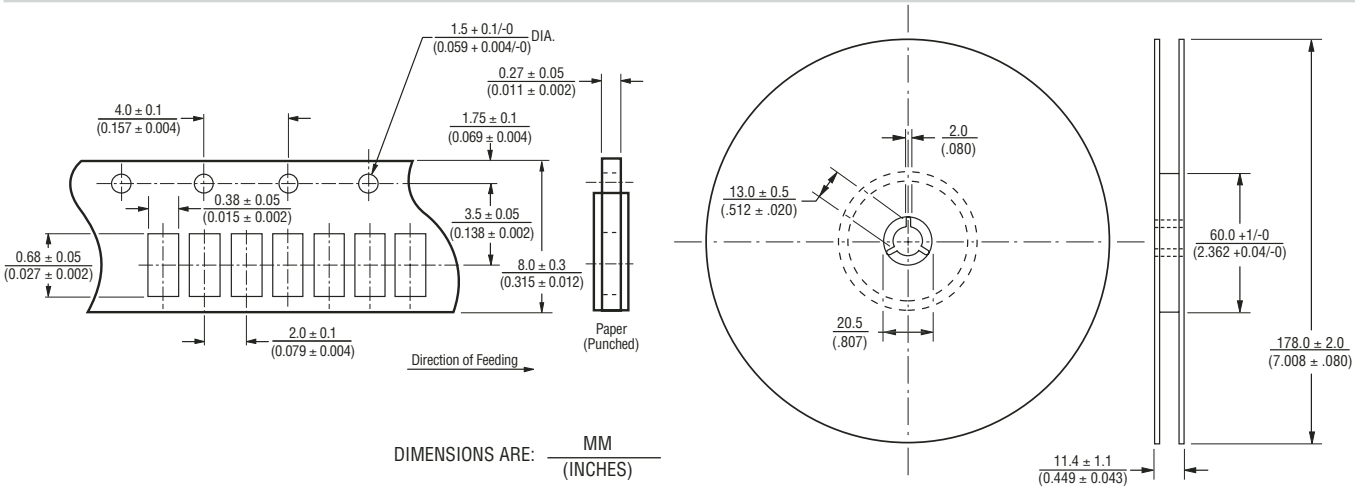
Packaging
G = Paper Tape (10,000 pcs.) on 7 “ Plastic Reel

Termination
LF = Tin-plated (RoHS compliant)

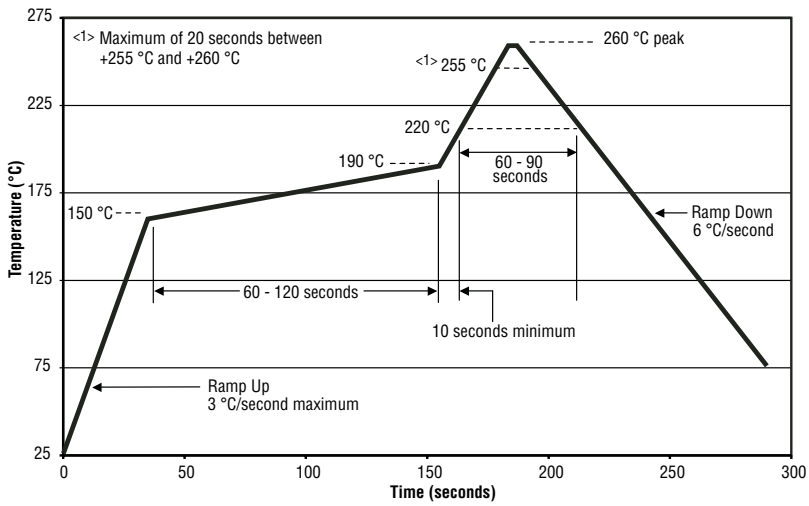
*RoHS Directive 2002/95/EC Jan 27 2003 including Annex

Specifications are subject to change without notice.
Customers should verify actual device performance in their specific applications.

Packaging Dimensions (Conforms to EIA RS-481A)



Soldering Profile for RoHS Compliant Chip Resistors and Arrays



Part Marking System

No Marking on the CR0201 Chip Resistors.

Asia-Pacific:
Tel: +886-2 2562-4117
Fax: +886-2 2562-4116
Europe:
Tel: +41-41 768 5555
Fax: +41-41 768 5510
The Americas:
Tel: +1-951 781-5500
Fax: +1-951 781-5700
www.bourns.com

Specifications are subject to change without notice.
Customers should verify actual device performance in their specific applications.