

Features

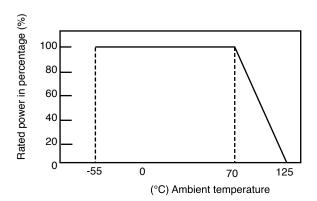
- Small package dimensions
- Lead free version available (see How to Order "Termination" options)
- RoHS compliant*
- Power rating at 70 °C = 1/16 W
- Tight dimensional tolerances
- Three layer termination process with nickel barrier prevents leaching and provides excellent solderability
- Suitable for most types of soldering processes
- Standard packaging on paper tape and reel

CR0402 - Chip Resistor

Electrical Characteristics

Power Rating @ 70 °C.....1/16 W **Operating Temperature Range**-55 °C to +125 °C Derated to 0 Load at+125 °C Maximum Working Voltage.....25 V Maximum Overload Voltage50 V Resistance Range 1 %, E-96 and E-2410 ohms to 1 megohm 5 %, E-242 ohms to 5.6 megohms Zero Ohm Jumper.....<0.05 ohms Temperature Coefficient 1 %±100 ppm/°C 5 %±200 ppm/°C 1 ohm to 10 ohms

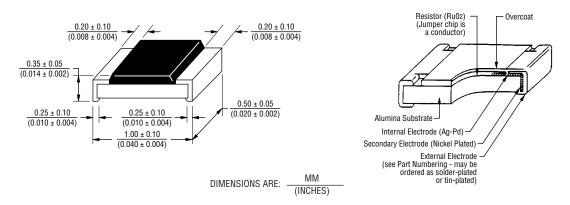
Derating Curve



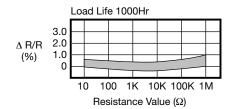
For Standard Values Used in Capacitors, Inductors, and Resistors, click here.

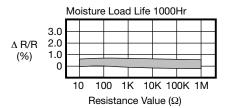
.....-200 ppm/°C to +500 ppm/°C

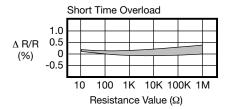
Dimensional Drawings



Characteristic Data



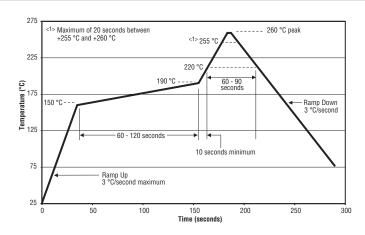




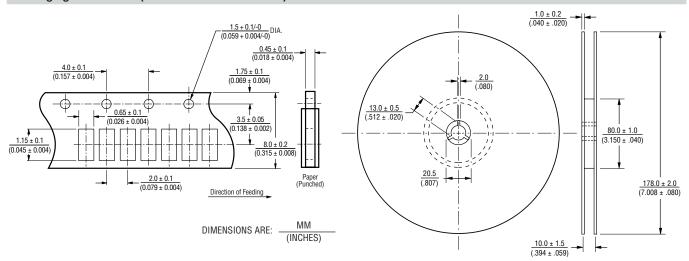
CR0402 - Chip Resistor

BOURNS®

Soldering Profile for Lead Free 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
Model (CR = Chip Resistor)
Size
Resistance Tolerance F = ±1 %Used with "X" TCR code only for values from 10 ohms through 1 megohm. J = ±5 %Used with "W" TCR code for values from 10 ohms through 5.6 megohms. Used with "/" TCR code for zero ohm (jumper)
TCR (ppm/°C) X = ±100
Resistance Value ————————————————————————————————————
For 1 % Tolerance: <100 ohms
For 5 % Tolerance: <10 ohms
Packaging G = Paper Tape (10,000 pcs.) on 7 " Plastic Reel
Termination — LF = Tin-plated (lead free) = Solder-plated