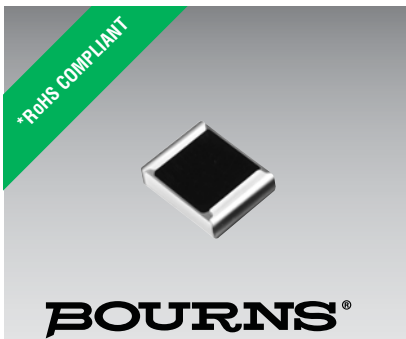




Features

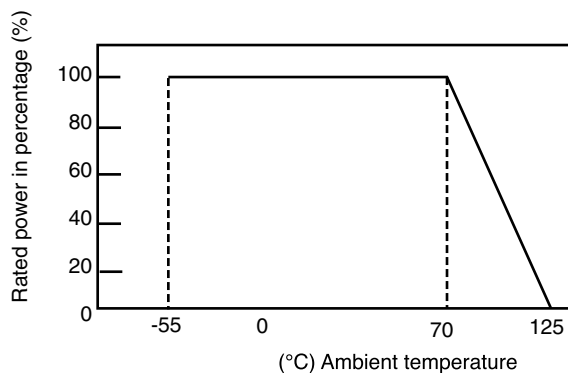
- Small package dimensions
- RoHS compliant*
- Power rating at 70 °C = 1/16 W
- Tight dimensional tolerances
- Three layer termination process with nickel barrier prevents leaching and provides excellent solderability
- Suitable for most types of soldering processes
- Standard packaging on paper tape and reel

CR0402 - Chip Resistor

Electrical Characteristics

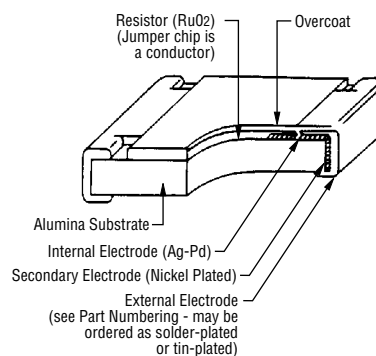
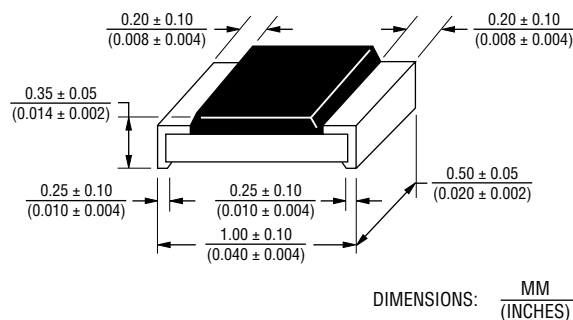
Power Rating @ 70 °C 1/16 W
 Operating Temperature Range -55 °C to +125 °C
 Derated to 0 Load at +125 °C
 Maximum Working Voltage 50 V
 Maximum Overload Voltage 100 V
 Resistance Range
 1 %, E-96 and E-24 10 ohms to 1 megohm
 5 %, E-24 2.2 ohms to 5.6 megohms
 Zero Ohm Jumper <0.05 ohms
 Temperature Coefficient
 1 % ±100 ppm/°C
 5 % ±200 ppm/°C
 2.2 ohm to 10 ohms -200 ppm/°C to +500 ppm/°C

Derating Curve

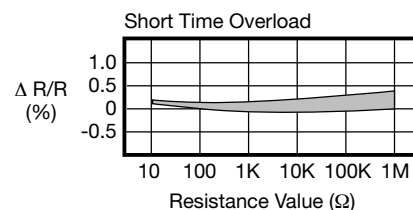
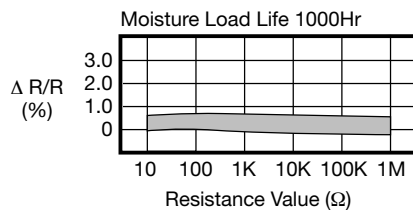
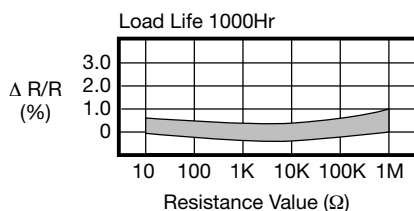


For Standard Values Used in Capacitors, Inductors, and Resistors, [click here](#).

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.

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Temperature (°C)

Time (seconds)

25 75 125 175 225 275

0 50 100 150 200 250 300

<1> Maximum of 20 seconds between +255 °C and +260 °C

150 °C ---

60 - 120 seconds

190 °C ---

220 °C

60 - 90 seconds

10 seconds minimum

260 °C peak

Ramp Up 3 °C/second maximum

Ramp Down 6 °C/second

Technical drawing of a circular punch card, showing front and side views with dimensions in millimeters (MM) and inches (INCHES).

Front View Dimensions:

- Overall Diameter: 130.0 ± 0.5 (5.12 ± .020)
- Inner Hole Diameter: 20.5 (.807)
- Distance from Center to Inner Hole Edge: 13.0 ± 0.5 (.512 ± .020)
- Distance from Center to Outer Edge: 65.0 ± 0.25 (2.56 ± .010)

Side View Dimensions:

- Overall Thickness: 1.0 ± 0.2 (.040 ± .020)
- Distance from Top Surface to Inner Hole Edge: 0.45 ± 0.1 (0.018 ± 0.004)
- Distance from Top Surface to Outer Edge: 1.75 ± 0.1 (0.069 ± 0.004)
- Distance from Top Surface to Bottom Surface: 3.5 ± 0.05 (0.138 ± 0.002)
- Distance from Bottom Surface to Inner Hole Edge: 8.0 ± 0.2 (0.315 ± 0.008)
- Distance from Bottom Surface to Outer Edge: 178.0 ± 2.0 (7.008 ± .080)
- Distance from Bottom Surface to Inner Hole Edge (Alternative): 1.15 ± 0.1 (0.045 ± 0.004)
- Distance from Bottom Surface to Outer Edge (Alternative): 4.0 ± 0.1 (0.157 ± 0.004)
- Distance from Bottom Surface to Inner Hole Edge (Alternative): 0.65 ± 0.1 (0.026 ± 0.004)
- Distance from Bottom Surface to Outer Edge (Alternative): 2.0 ± 0.1 (0.079 ± 0.004)

Other Features:

- Direction of Feeding: Indicated by an arrow pointing right.
- Paper (Punched): Indicated by a label and arrow pointing to the side view.

DIMENSIONS: MM (INCHES)

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

CR0402 - Chip Resistor

BOURNS®

How to Order

CR 0402 - 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 = $\pm 5\%$ Used with "W" TCR code for values from 10 ohms through 5.6 megohms. Used with "/" TCR code for zero ohm (jumper) and for values from 1 ohm through 9.1 ohms.

TCR (ppm/ $^{\circ}$ C) _____
X = ± 100 Used with "F" Resistance Tolerance code only for values from 10 ohms through 1 megohm.
W = ± 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 through 9.1ohms.

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 ohms).
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 = 470k ohms; 000 = Jumper).

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

Termination _____
LF = Tin-plated (RoHS compliant)

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



Тел: +7 (812) 336 43 04 (многоканальный)

Email: org@lifeelectronics.ru

www.lifeelectronics.ru