



NEW PRODUCT RELEASE

CHIP RESISTORS



Bourns Fixed Resistor Product Line Announces New Metal Strip Current Sense Chip Resistors

Model CRG2512 Series

Riverside, California – September 20, 2022 – Bourns is pleased to introduce the new automotive grade, AEC-Q200 compliant, [CRG2512 Series Metal Strip Current Sense Chip Resistors](#). Current sense resistors are growing in popularity due to their high measurement accuracy and relatively low cost compared to other technologies. These resistors detect and convert current to an easily measured voltage which is proportional to the current through the device. This new surface mount series continues to broaden Bourns' range of metal strip chip resistors designed for current sensing applications.

The metal resistive element of the CRG2512 Series provides the resistor with low inductance, low noise, excellent reliability and a wide range of resistance values from 110 to 680 milliohms. The CRG Series also features power rating options of 1 or 2 watts, a Temperature Coefficient of Resistance (TCR) as low as ± 50 PPM/ $^{\circ}$ C, and an operating temperature range of up to 170 $^{\circ}$ C. The CRG2512 Series is available in size 2512 (6432 metric).

All these characteristics make the CRG2512 Series ideal for current sensing in consumer and telecommunication electronics and in industrial automation applications in which higher resistor reliability may be required.

Samples and production quantities are now available

For additional details on Bourns® AEC-Q compliant products, visit the Bourns website at www.bourns.com/products/aec-q-compliant-products.

Should you have any questions or need additional information, please contact [Customer Service / Inside Sales](#).

Features

- Robust metal strip resistive element
- AEC-Q200 compliant
- High reliability and long-term stability
- Power rating of 1 or 2 watts
- Wide resistance range from 110 to 680 milliohms
- TCR as low as ± 50 PPM/ $^{\circ}$ C
- RoHS compliant*



Applications

- Current sensing
- Power supplies
- Stepper motor drives
- Input amplifiers

*RoHS Directive 2015/863, Mar 31, 2015 and Annex.