

Featured Products Bulletin

FIXED RESISTORS



Bourns Fixed Resistor Product Line Announces New High Powered 2512 Size Current Sense Resistor Family

Riverside, California - July 9, 2014 - Bourns is pleased to announce the introduction of its new [Model CRE2512 Series High Power Current Sense Chip Resistor](#). This new surface mount series helps strengthen the broad range of current sense resistors offered by Bourns.

The Bourns® Model CRE2512 Series meets many requirements of a high powered current sense resistor (up to 3 W). It offers low resistance values of 1 to 9 mOhms to help minimize power consumption. The Model CRE2512 comes standard with a 1 % resistance tolerance to help maximize energy savings. The standard Temperature Coefficient of Resistance (TCR) is just ± 75 PPM/°C which ensures a stable operating accuracy over wide temperature ranges. It also uses a specialized sensing material to ensure a low thermal Electromotive Force (EMF).

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 family complements the other circuit conditioning components that Bourns offers such as power inductors, rectifier diodes and zener diodes.

For further details on this exciting new series, please feel free to contact [Customer Service/ Inside Sales](#).

Features

- Mn/Cu alloy resistor
- Power rating @ 70 °C: 2 W, 3 W
- Inductance less than 5 nH
- Low EMF
- RoHS compliant*

Applications

- Power supplies
- Stepper motor drives
- Battery packs
- White goods