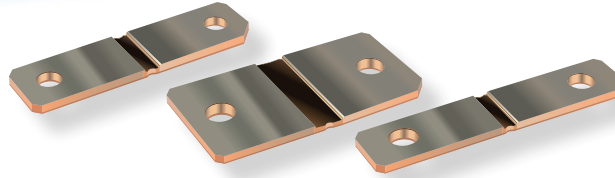


New Product Release

FIXED RESISTORS



Bourns Fixed Resistor Product Line Announces New Series of High Power Current Sense Resistors *Model CSM2F Series*

Riverside, California - July 23, 2018 - Bourns is pleased to announce the introduction of its latest current sense resistor family, the Model CSM2F Series which includes [CSM2F-8518](#), [CSM2F-7036](#), and [CSM2F-6918](#) models. This is Bourns' range of high powered current sense resistors, manufactured using a metal alloy element that is electron-beam welded to tinned copper terminals.

The Bourns® Model CSM2F Series comes in three different footprint sizes: 8518, 7036, and 6918 Metric, with resistance values as low as 50 $\mu\Omega$, continuous current up to 1000 A and permanent power ratings of up to 50 W. The new Model CSM2F series is AEC-Q200 compliant with a high pulse power rating.

Their metal alloy current sensing element allows thermal EMF as low as 0.25 $\mu\text{V/K}$ and low TCRs of 50 PPM/ $^{\circ}\text{C}$ in the 20 $^{\circ}\text{C}$ to 60 $^{\circ}\text{C}$ temperature range.

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 product series complements Bourns' other circuit conditioning components, such as [power inductors](#) and [rectifier diodes](#). For additional information on Bourns® current sense resistor products, please visit the Bourns website at <https://www.bourns.com/products/fixed-resistors/current-sense-resistors>.

For further details on these exciting new models, please contact [Customer Service/Inside Sales](#).

Features

- EB welded metal strip
- AEC-Q200 compliant
- Up to 50 W permanent power
- Excellent long term stability
- Low resistance, low TCR
- Low thermal EMF
- Max. fastening torque 10 Nm
- RoHS compliant*

Applications

- Battery management systems
- Current sensing on hybrid and electric vehicles
 - Battery Management Systems
- Current sensing in bus bars
- Current sensing in welding equipment
- Voltage division
- Power modules
- Frequency converters
- Industrial

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