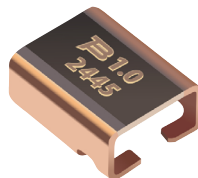




NEW PRODUCT RELEASE

RESISTORS



Bourns Releases New AEC-Q200 Compliant, Automotive Grade 4-Terminal Type Shunt Resistors

CSS4C-1216 Series

Riverside, California - October 14, 2025 – Bourns is pleased to announce the release of the new [CSS4C-1216 Series](#), a 4-terminal current sense resistor specifically designed for precision current measurement and high performance applications.

The Bourns® CSS4C-1216 Series utilizes Electron Beam Welded (EBW) metal strip construction, providing excellent long term stability, minimal inductance (<2 nH), and superior thermal performance. This series offer a power rating of up to 5 watts and resistance values as low as 0.0003 Ω , ensuring precise, stable operation across an extensive operating temperature range from -65 °C to +170 °C.


The four-terminal design minimizes measurement inaccuracies resulting from lead resistance, significantly enhancing accuracy and reliability in high current circuits. The robust construction ensures consistent thermal stability and durability, and it perfectly addresses the demanding requirements of precise current monitoring in space constrained PCB layouts.

Characteristics:

Model	Power Rating @100 °C (W)	Resistance Range (Ω)	TCR	Tolerance
CSS4C-1216T-L300F	5	0.0003	± 100 ppm/°C	$\pm 1\%$, $\pm 5\%$
CSS4C-1216T-L500F	5	0.0005	± 50 ppm/°C	
CSS4C-1216C-1L00F	3	0.001	± 50 ppm/°C	

Please visit the Bourns website at www.bourns.com for additional product details and contact [Bourns Customer Service/Inside Sales](#) if you have any questions.

Features

- EB welded metal strip
- High power up to 5 W
- Excellent long term stability
- Four terminals for high accuracy
- RoHS compliant* and halogen free**
- AEC-Q200 compliant
-  **AUTOMOTIVE GRADE**

Applications

- Current sensing
- Voltage division
- Battery management systems
- Power modules
- Frequency converters
- Industrial

Additional Information

[DATA SHEET](#)[PRODUCT SELECTOR](#)[TECHNICAL LIBRARY](#)[INVENTORY](#)[SAMPLES](#)[CONTACT](#)

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

** Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (Cl) content is 1500 ppm or less

N2545