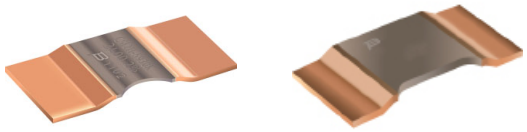
BOURNS®

PRODUCT EXTENSION **RELEASE**

RESISTORS



Bourns® CSS2H-5930 and CSI2H-5930 Current Sense Resistor Extension

Riverside, California - August 20, 2026 – The Bourns® CSS2H-5930 and CSI2H-5930 Series now offer a 0.1 mΩ resistance value for current sensing applications. The surface mount resistors use an electron-beam-welded metal strip design and provide 15 W power rating, low inductance, low TCR, and low thermal EMF. The CSS2H-5930 Series is AEC-Q200 compliant and automotive grade. Both series are RoHS compliant* and halogen free**.

Characteristics:

Model	Power Rating @70 °C	Operating Temperature	Temperature Coefficient including Copper Terminals (20~60 °C)	Inductance	Resistance Tolerance
CSS2H-5930R-L100x	0.1 mΩ / 15 W	-55 to +170 °C	±275 ppm/°C	Material type R: < 3 nH Material type K: < 5 nH	±1 %, ±5 %
CSI2H-5930R-L100x	0.1 mΩ / 15 W	-55 to +170 °C	±275 ppm/°C	Material type R: < 3 nH Material type K: < 5 nH	±1 %, ±2 %, ±5 %

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 15 W
- Excellent long-term stability
- Low resistance, low TCR
- Low thermal EMF
- RoHS compliant* and halogen free**
- AEC-Q200 compliant (CSS2H-5930)
- AUTOMOTIVE GRADE (CSS2H-5930)

Applications

- Current sensing
- Voltage division
- Battery management systems (CSS2H-5930)
- Power modules
- Frequency converters
- Industrial

Additional Information

DATA SHEET | 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.*

N2630

Americas: Tel +1-951 781-5500 americus@bourns.com
EMEA: Tel +36 88 885 877 eurocus@bourns.com
Asia-Pacific: Tel +886-2 256 241 17 asiacus@bourns.com
Mexico: Tel +52 614 478 0400 mexicus@bourns.com