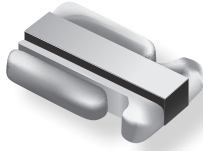


Product Update Memo

FIXED RESISTORS



July 13, 2018

Bourns Extends Resistance Value Range of the Model CST0612 Series Current Sense Resistors

Bourns is pleased to announce the addition of new resistance values of 3 mΩ and 5 mΩ to the [Model CST0612 Series](#) 4-terminal, metal strip current sense resistors. The resistance range will be extended from 0.5 mΩ – 2 mΩ to 0.5 mΩ – 5 mΩ.

	Resistance Value (Milliohms)	Resistance Code
	0.5	R0005
	0.75	R00075
	1	R001
	1.5	R0015
	2	R002
NEW!	3	R003
NEW!	5	R005

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.

The 4-terminal design of the Bourns® Model CST0612 Series allows for high precision 4 kelvin resistance measurement. Its metal alloy current sensing element allows for low thermal Electromotive Force (EMF) and Temperature Coefficient of Resistance (TCR).

Features

- Four-terminal design
- Low inductance value (<1 nH)
- Metal alloy strip
- RoHS compliant*
- Halogen free**

Applications

- Current sense
- Precision circuits
- Medical equipment***
- Printers
- Automation equipment
- Navigation equipment
- Printers

* RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.

** 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.

*** Bourns® products have not been specifically designed and tested for FDA Class III applications and equivalent applications covered by other regulatory authority such as the European Council, and their use in such applications is neither recommended nor supported.

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