## Bourns Fixed Resistor Product Line Announces
# New 4-Terminal, 0612 Size Current Sense Resistor Family

Riverside, California - April 1, 2015 - Bourns is pleased to announce the introduction of its new Model CST0612 Series. This is Bourns' first 4-Terminal Current Sense Resistor which comes in a miniature 0612 size footprint.

The Model CST0612 Series offers low resistance values of 0.5 mΩ to 2 mΩ and can handle a maximum power rating of up to 1 W.

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 new 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).

This new family complements the other circuit conditioning components offered by Bourns such as power inductors, rectifier diodes and Zener diodes.

For further details on these exciting new models, please feel free to contact Customer Service/Inside Sales.

### Features
- Four-terminal design
- Low inductance value (<1 nH)
- Metal alloy strip
- RoHS compliant* and halogen free**

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

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\*   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 their use in such applications is neither recommended nor supported.