



## Bourns Fixed Resistor Product Line Announces the Expansion of the CFN Metal Foil Current Sense Resistor Series

Riverside, California – May 7, 2021 – Bourns is pleased to announce several new exciting options for the [Model CFN Metal Foil Current Sense Resistor Series](#).

The addition of two new model sizes expands the series to four different footprints. The new 0402 (1005 metric) and 0603 (1608 metric) models complement the existing 0805 (2012 metric) and 1206 (3216 metric) sizes.

Two new resistance values are also now available. The existing Model CFN0805 series offers a 30 mΩ resistance value along with a 40 mΩ option for the Model CFN1206 series.

Furthermore, a new  $\pm 50$  ppm/°C TCR option is available for Models CFN0603, 0805 and 1206.

Feature	Existing Series		Expanded Series			
	0805	1206	0402	0603	0805	1206
Sizes (inches)	0805	1206	<b>0402</b>	<b>0603</b>	0805	1206
Resistance Values (mΩ)	5, 10, 20	5, 10, 20	<b>10, 20</b>	<b>5, 10, 20</b>	5, 10, 20, <b>30</b>	5, 10, 20, <b>40</b>
TCR (ppm/°C)	$\pm 100$		<b><math>\pm 100</math></b>	<b><math>\pm 50</math> and <math>\pm 100</math></b>	<b><math>\pm 50</math> and <math>\pm 100</math></b>	

The Model CFN Series current sense resistors are manufactured using a metal foil resistive element mounted on a ceramic substrate for excellent heat conductivity.

The use of a metal foil resistive element in these chip resistors results in very low inductance, low noise, excellent reliability and very low resistance values down to 5 milliohms which makes them ideal for current sensing in consumer and telecommunication electronics and industrial automation applications.

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This new family complements the other circuit conditioning components that Bourns offers such as power inductors and rectifiers.

For further details on these exciting new models, please view the Bourns website at [www.bourns.com/products/resistors/metal-strip-chip-resistors](http://www.bourns.com/products/resistors/metal-strip-chip-resistors).

If you have any questions or need additional information, please contact [Customer Service/ Inside Sales](#).

### Features

- Metal foil resistive element
- High power density
- High reliability and stability
- RoHS compliant\* and halogen free\*\*

### Applications

- Current sensing
- Power supplies
- Stepper motor drives
- Input amplifiers

\* 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.