



# Featured Products Bulletin

## POWER RESISTORS



### Bourns Releases New PWR4413 Power Resistor Series

Riverside, California - September 2, 2009 - Bourns® Fixed Resistors Product Line introduces [Model PWR4413](#). This is a Free to Air Power Resistor for Current Sense applications. The PWR4413 is vertically mounted in a circuit board having the measurement point at the butt-welded junction between the resistor strip and the tin-plated copper terminations. This has the advantage of removing the effect of the copper which has a very high TCR on the overall resistance value.

The PWR4413 Series has a very good pulse resistance being able to withstand up to 50 Amps in the 1 W version and 78 Amps in the 3 W and 5 W versions.

The PWR4413 Series can operate in very high temperatures (max. 325 °C) making it very reliable and less prone to failure from overheating. It can also be relied on in very harsh industrial conditions where standard surface mount components fail.

It has a narrow width (maximum 4 mm across the strip depending on the resistance value). This makes it a good candidate for second sourcing, especially where more than one Free to Air resistor is placed in parallel.

#### Features

- Low inductance
- High overload capability
- Wide operating temperature range
- High power
- RoHS compliant\*

#### Applications

- Rectifiers
- Inverter drives
- Switching power supplies