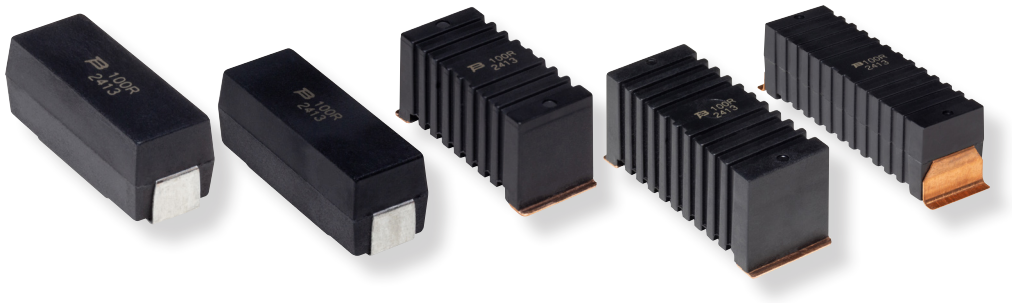
BOURNS®

NEW PRODUCT RELEASE

RESISTORS



Bourns Releases New High Power Wirewound Resistors

Model PWR6927 / 8030 / 8937 / A247 / B053 Series

Riverside, California – January 6, 2025 – Bourns is pleased to announce the introduction of its latest High Power SMD Wirewound Resistors. The Model PWR6927/8030/8937/A247/B053 Series features a high power rating (up to 10 W) with high reliability and surge capability.

This surface mount, wirewound series allows designers more flexibility in their application while increasing product reliability and pulse withstanding capability due to the very low TCR of ±20 PPM/°C for resistances over 10 ohms and a wide operating temperature of -65 °C to +175 °C.

This series is suitable for applications requiring high power discharging, battery management systems, switched-mode power supplies, motor control and high pulse withstanding applications.

Visit the Bourns Technical Library for application notes, white papers and other resistor technical documents: www.bourns.com/resources/technical-library/library-documents/resistors-technical-library. For further details on these exciting new models, please contact Customer Service / Inside Sales.

Features

- Superior pulse capability
- Very high power – up to 10 W
- Excellent surge capabilities
- Super low TCR
- Non-inductive versions available
- UL 94 V0, RoHS* and SVHC compliant
- Halogen free** versions available

Applications

- High power discharging applications
- Battery Management Systems (BMS)
- Switched-mode power supplies
- Motor control
- High pulse withstanding applications

* *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.*

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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