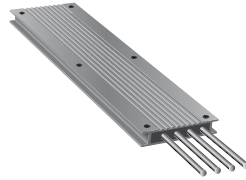




NEW PRODUCT RELEASE

RESISTORS



Bourns Announces the Release of the Riedon™ BRF Series High Precision Power Foil Resistors by Bourns

Riverside, California - November 21, 2025 – Bourns is pleased to announce the introduction of the Riedon™ [BRF Series](#) High Precision Power Foil Resistor by Bourns. This series is engineered for power applications that demand both high accuracy and high energy dissipation, offering power ratings up to 2.5 kW along with tight resistance tolerances and low temperature coefficients (TCR) for stable, repeatable performance.

The BRF Series utilizes metal foil technology in a low profile aluminum heat sink package, delivering excellent thermal management, low inductance, and minimal resistance drift under load. These attributes make the series ideal for precise current measurement and energy control in high power systems.

Typical applications include power converters, Battery Energy Storage Systems (BESS), industrial power supplies, inverters, and motor drives, where designers require a rugged, dependable resistor capable of dissipating substantial energy while maintaining precision.

The Riedon™ BRF Series by Bourns provides a robust and accurate solution that bridges the gap between standard power resistors and instrument grade precision shunts, supporting next generation energy management and power conversion designs.

Model	Power Rating (W)	Resistance Range (Ω)	Temperature Coefficient of Resistance (TCR)
BRF8065	350	0.001 to 400	4 Terminals >20 m Ω \pm 15 PPM \leq 20 m Ω \pm 20 PPM \leq 10 m Ω \pm 30 PPM
BRF8110	600	0.001 to 500	
BRF8216	1200	0.001 to 500	
BRF8320	2000	0.001 to 500	2 Terminals: \pm 50 PPM
BRF8370	2500	0.001 to 500	

For more details, please visit the Bourns website at bourns.com. If you have any questions or need additional information, please feel free to contact [Bourns Customer Service/ Inside Sales](#).

Features

- Formerly a Riedon™ product
- Resistances from 0.001 to 500 Ω
- Power rating to 2500 W
- TCR to \pm 15 PPM/ $^{\circ}$ C
- Load stability to 0.1 %
- Very low inductance (<50 nH)
- RoHS compliant*

Applications

- Current sensing
- Power management
- Industrial power control
- Energy storage

Additional Information

[DATA SHEET](#)[PRODUCT SELECTOR](#)[TECHNICAL LIBRARY](#)[INVENTORY](#)[SAMPLES](#)[CONTACT](#)

* RoHS Directive 2015/863, Mar 31, 2015 and Annex.

"Bourns" is a registered trademark of Bourns, Inc. in the United States and other countries. In April 2023, BE Services Company, Inc., a subsidiary of Bourns, Inc., purchased certain assets of Riedon, Inc., including its logo and trademarks and the right to continue to manufacture former Riedon™ products. "Riedon Logo" is a registered trademark of BE Services Company, Inc. in the United States. "Riedon" is a trademark of BE Services Company, Inc.

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