



Company news

Reference: **RIE001**

Riedon Expands its DC Current Shunt Resistor Portfolio with Current Ranges from 1 Amp to 10,000 Amps

Alhambra, California, USA, 4 May 2017 – [Riedon](#), a specialist manufacturer of cutting-edge power and precision resistors, has expanded its portfolio of precision current shunts to provide one of the broadest range of current ratings available today. Responding to increases in the output levels from renewable energy sources, higher capacity batteries that require shorter charging times, and the widespread electrification of heavy industry, Riedon has designed its shunt resistors to enable accurate measurement and monitoring of high currents.



With additions to the RCS, RSH, RSI, RSJ, RSL, and RSN series of precision shunt resistors, Riedon has optimized the performance-value proposition at all points along the current measurement scale, from 1 A to 10,000 A, while offering enhanced measurement bandwidth at the desired operating current. A four-point Kelvin connection ensures accuracy by decreasing the influence of terminations when measuring the voltage across the shunt.

The very low resistance values required for shunts, as low as 5 micro-Ohm for the 10,000 A 50mV output RSL-10000-50, are achieved using Manganin® resistive elements. These are manufactured to a standard tolerance of 0.25% with some series offering 0.1% options. Other options include 50mV or 100mV outputs and, where applicable, the resistors are mounted on Bakelite bases.

“Riedon is renowned for its quality and service, and for offering the industry’s shortest lead times for power and precision resistors”, said Phil Ebbert, Riedon’s VP of Engineering. “But it’s our in-house manufacturing and design capability that sets Riedon apart from most other suppliers. We can compete on price and delivery while also supporting custom designs”.

All Riedon precision current shunts employ rugged designs for increased durability and are produced to rigorous assembly and performance standards using industry recognized standard materials to provide full RoHS compliance.

Parts will be available for purchase from Digi-Key from 10th May 2017.

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About Riedon Inc.

For more than 45 years, since its formation in 1960, Riedon has been at the cutting edge of resistive solutions, supplying Wirewound, Thick & Thin Film, and also Foil resistive products to industries as diverse as Aerospace, Military and Instrumentation.

Riedon employs more than 130 team members worldwide and has manufacturing, technical support and sales facilities in the USA, Europe, Asia, and Mexico.