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High current, small sized, high reliability...

NIKKOHM INTRODUCES QUICK CONNECT 600A

Current Shunt FOR BATTERY CONTROL

APPLICATIONS

Misawa, Japan (20 September 2017) — Nikkohm Co., Ltd. announced the release of a new and enhanced bus bar shunt of blade terminal in RCS 85184x series. This is a new Bus-Bar Battery Shunt resistor that has 36W power capability in the 85mm x 18mm x 4mm size with 50 $\mu\Omega$, 100 $\mu\Omega$ and 125 $\mu\Omega$. In other words, it is possible to output 60 mV from the voltage terminal with a current of 600 A.

RCS851844 series battery control shunt resistor has voltage terminals of #110 quick connect blade (2.8mm width and 0.5mm thickness) for ease of assembly, and also has features of being mechanically strong in assembly, vibration resistance, reliable operation in long term, continuous 600A operation since this shunt is built on a structure using complete electron beam welding.

RCS851844 provides economical 5% / 10% tolerance and precision 1% tolerance in option. For convenience of the designer, RCS85184x provides various kinds of terminals. RCS851841 has 1.0mm diameter hole, RCS851842 has diameter 3.62mm holes, RCS851843 has stud screw terminals, RCS851844 has #110 quick connect terminals. It is also possible to supply with a custom designed voltage terminals.

RCS851844 offers low inductance value of less than 5nH, +200ppm/°C TCR and operating temperature in the range -55°C, +70°C, +175°C, Pb free and RoHS compliant. Samples and production quantities of new Bus-Bar Shunt resistor are available now with 6 weeks shipping lead-time.

To request the electronic image, call +81 176 53 2105, or e-mail: info@nikkohm.co.jp Keywords: Nikkohm, resistor, power, automotive. URL: <http://www.nikkohm.com>