



CSSK3637 Four Terminal Shunt Resistors for Accurate Current Sensing Requirements

RALEIGH, NC (Mar. 29, 2022) – Current sensing for high efficiency typically requires very low resistance values. However, sensing accuracy is more challenging for lower resistance values due to lead resistance effects. Four terminal shunt resistors eliminate errors due to lead resistance effects. Stackpole's CSSK3637 is a four terminal shunt that provides very low resistance values which have been expanded to 0.5 to 6 milliohm, in tolerances as low as 0.5% and TCR of 50 ppm. In addition, this all-metal shunt has an operating temperature up to 170°C, providing excellent stability for a wide range of end products. The 3W CSSK3637 is 100% RoHS compliant without exemption, REACH compliant, and halogen free. Applications for the CSSK3637 include portable electronics power management, consumer electronics, power modules, frequency converters, inverter control for solar power, and power control for hybrid vehicles.



Pricing for the CSSK3637 varies with tolerance and is around \$0.50 each for 1% tolerances. Contact Stackpole or one of our franchised distributor partners for volume pricing. The 1, 2, and 3 milliohm values are currently in stock.

[CSSK Series](#)

[Kelvin Termination Metal Alloy Current Sensing Resistor](#)

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Stackpole Electronics Inc. is a leading global manufacturer of resistors supplying to the world's largest OEMs, contract manufacturers and distributors. Headquartered in Raleigh, N.C., the privately held company began manufacturing in 1928 as part of Stackpole Carbon Company in St. Mary's, Pennsylvania. Now part of the Akahane Stackpole Manufacturing Group (ASMG), Stackpole has manufacturing facilities in Japan, Taiwan, China and Mexico; warehousing facilities in El Paso, Shenzhen and Japan; and international sales offices in Tokyo, Taipei, London, Hong Kong and Shenzhen.