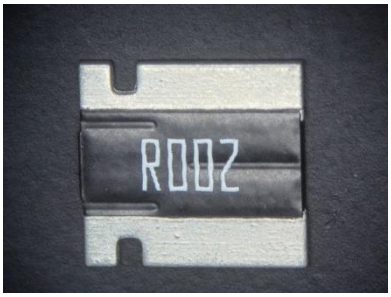
CSSK3637 Four Terminal Shunt Resistors Minimize the Effects of Lead Resistance



RALEIGH, NC (June 20, 2023) – Designing high power products that require high efficiency performance can be challenging. Low value resistors are required to achieve efficiency; however, it is common for two terminal resistors to result in significant measurement errors due to terminal resistance. Stackpole's CSSK3637 Series offers a solution to engineers needing high power and high efficiency performance. The CSSK3637 is rated at 3 watts. It's four-terminal design allows for the forced current to flow through the larger terminations while providing accurate voltage sensing at the narrow terminals. The CSSK3637 offers excellent TCR down to ±50 ppm and resistance tolerance down to ±0.5% for exceptional precision. The CSSK is available in resistance values from 0.5 to 6 milliohm making it able so sense currents of over 77 amps.

Pricing for the CSSK3637 is around $0.50 to $0.55 each for 1% tolerance product. Contact Stackpole or one of our franchised distribution partners for specific or volume pricing.

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.