PRESS RELEASE

Stackpole Electronics, Inc.
Resistive Product Solutions

www.seielect.com
marketing@seielect.com

CSSK3637 Four Terminal Shunt Chip Resistors for High Efficiency Applications

RALEIGH, NC (Apr 2, 2024) – Applications that require high efficiency current sensing, such as avionics, communications and infrastructure, tablets, and graphics drivers, typically demand extremely low resistance values. Nonetheless, ensuring sensing accuracy poses a formidable challenge at such low resistance levels due to lead resistance effects. Four-terminal shunt resistors effectively mitigate errors arising from lead resistance.

Stackpole's CSSK3637, a four-terminal surface mount shunt, offers exceptionally low resistance values ranging from 0.5 to 6 milliohms, with tolerances as low as 0.5% and a TCR of 50 ppm. Furthermore, this all-metal shunt boasts an operating temperature of up to 170°C, ensuring outstanding electrical and environmental stability across a diverse array of end products.

The 3-watt rated CSSK3637 is fully compliant with RoHS standards, being lead-free, REACH compliant, and halogen-free.

Pricing for the CSSK3637 varies based on tolerance, with approximate costs averaging around $0.50 each for 1% tolerances. For volume pricing, interested parties are encouraged to contact Stackpole or one of our franchised distributor partners. Currently, values ranging from 0.5 milliohm up to 5 milliohm are readily available in stock.

CSSK Series
Kelvin Termination Metal Alloy Current Sensing Resistor

Stackpole Electronics, Inc.
Editor Contact Information
Kory Schroeder
Director of Marketing & Product Engineering
919-875-2495
kschroeder@seielect.com

Follow Us on Linked In

For more information about Stackpole products, contact Stackpole Electronics, Inc. at 3110 Edwards Mill Road, Suite 207, Raleigh, NC 27612; phone 919-850-9500; email marketing@seielect.com; or visit the website at www.seielect.com.

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.