

## HCSK Series

### High Current Four Terminal Shunts for High Sensing Efficiency

RALEIGH, NC (April 23, 2018) - The HCSK Series from Stackpole is a surface mount metal element high current shunt with four terminals. Four terminal Kelvin sense resistors provide the most accurate sensing as it removes the effect of lead resistance in the sensing function. The HCSK2725 rated at 5W at an ambient temperature of 100°C utilizes unique materials and a raised element which provides tolerances as low as 1% and TCR of 50 ppm/°C. The robust HCSK has excellent stability over life, high temperature exposure, moisture resistance, rapid change of temperature, and short time overload testing.



The HCSK2725 is readily available in the 1 milliohm resistance value. Other resistance values are possible based on customer demand. It is suitable for sensing currents up to 70 amps. The high temperature capability, accuracy, and stability are ideal for applications including power modules, frequency converters, motor controls, hybrid power current sensing, E-scooters, and automotive engine controls.

Additional resistance values are currently under development and will be available in the near future. Pricing depends on tolerance and order volume, but typically ranges from \$0.50 each to \$0.60 each in full reel quantities. Contact Stackpole or one of our franchised distributors for volume pricing and inquiries regarding other resistance values.

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](mailto:marketing@seielect.com); or visit the website at [www.seielect.com](http://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.