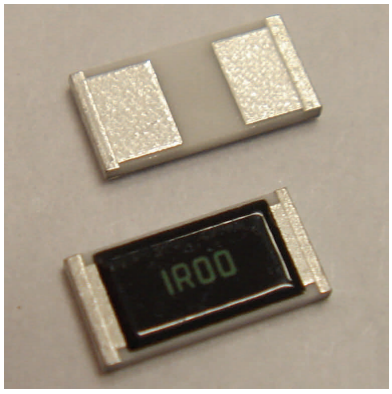
Stackpole Electronics, Inc.
Resistive Product Solutions

RHC2512 Series

high power chip offers low thermal resistance

June 17, 2015



RALEIGH, NC – The RHC2512 from Stackpole utilizes unique materials, design, and processing to offer much lower thermal resistance than other high power chip resistors. When used with the recommended solder pad layout, the RHC will typically show a heat rise of 60°C per watt compared to standard 2512's which can experience more than 120°C per watt. In addition to low thermal resistance, the RHC2512 is more stable at higher power and higher temperatures. This improved stability is demonstrated by the lower resistance shifts over load life and overload testing. This high power performance is a popular choice for applications power electronics and controls such as buck converters, HUD systems, IR goggles, HVAC controls, audio controls, and motor and pump controls.

Pricing for the RHC2512 depends on resistance value and tolerance and ranges from $0.19 to $0.32 each in full reel quantities. Contact Stackpole or one of our franchised distributor partners for volume pricing. Many popular values are in stock either directly through Stackpole or through distribution.

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Stackpole Electronics Inc. is a leading global manufacturer of resistors supplying to the worlds 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 affiliated with Akahane Electronics, Stackpole has manufacturing facilities in Japan, Taiwan, China and Mexico; warehousing facilities in El Paso, Hong Kong and Japan; and sales offices in Tokyo, Hong Kong and Taiwan.