



Stackpole Electronics, Inc.
Resistive Product Solutions

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RNCP Series thin film resistors provide low TCR, low profile, and low cost with high accuracy...

Stackpole Electronics Develops Low-Profile, Sulfur-Resistant Resistor Chips for Computer Peripherals

RALEIGH, NC (October, 2009) - Providing high accuracy with a low standard TCR (temperature coefficient of resistance) in a low profile chip, Stackpole's RNCP Series thin film resistors are a low-cost alternative to high-power thick film resistive technology. Impervious to sulfur contamination, the RNCP Series provides highly stable and accurate performance characteristics, making it ideal for use in computer and computer accessory applications. A truly green component, the RNCP Series is RoHS-compliant without exemptions, as it does not contain any lead-containing glass. In addition, the elimination of silver and gold, which are used in traditional sulfur resistant application requirements, reduces the overall cost of the resistor.



The RNCP Series resistors were developed with a high tolerance for harsh environments, including shock, vibration and temperature extremes with the goal of enhancing their performance and lifespan. The thin film technology provides high power handling, stability and low noise, giving them ideal characteristics for use in notebook computers, printers, scanners and test instruments.

"In recent years, consumer electronics have trended toward more 'green' products, increasing the demand for components with reduced package size and higher energy performance," said Kory Schroeder, Director of Marketing at Stackpole. "With the development of these new thin film resistors, we are able to meet customer requirements for a smaller chip size and yet keep the cost within 10 percent of comparable thick film chips."

Featuring absolute tolerances to 1% and a TCR of 100ppm/°C, the RNCP Series resistors are available in 0402, 0603, 0805 and 1206 chip sizes, with power ratings from 0.1W to 0.5W and maximum working voltages from 50V to 200V.

The RNCP Series is available on standard 7-inch reels. Pricing varies with chip size, tolerance, and resistance value. Contact NAC for volume pricing.