

Thin Film Resistor Series Combines High Power And High Accuracy For Telecom Applications



Ideal for telecommunication applications, Stackpole Electronics' RNCP Series thin film resistors provide twice the normal power rating compared to standard thick film technology. Combining high power handling, high accuracy and high stability with low noise characteristics, the low-profile RNCP Series resistors are suitable for cell phone base stations, high speed data interface, HDMI and RF amplifier circuit applications, networking equipment, and communications monitoring and control.

The elimination of silver and gold make the RNCP Series devices impervious to sulfur contamination. This reduction in materials coupled with high volume sputtering processes reduces the cost of the resistor to be within 10 percent of the cost of standard general-purpose thick film chips. In addition, the RNCP Series does not have any lead-containing glass, making it RoHS-complaint without exemptions.

“Developed utilizing thin film technology and sulfur-resistant materials, the RNCP Series resistors offer highly reliable, high-performance resistors in a small package at a low cost,” said Kory Schroeder, Director of Marketing at SEI. “In addition, the anti-sulfur performance ensures extended operating life in applications where long term reliability is critical.”

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 resistors are available on standard 7-inch reels. Pricing varies with

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Published on Electronic Component News (<http://www.ecnmag.com>)

chip size, tolerance, and resistance value and ranges from around \$1.00 per thousand to \$10 per thousand in full reel quantities; contact Stackpole for volume pricing.

For more information about Stackpole products, contact Stackpole Electronics, Inc. at 2700 Wycliff Road Suite 410, Raleigh NC 27607; phone 919-850-9500; email marketing@seielect.com; or visit the Web site at www.seielect.com <<http://www.seielect.com> [1]> .

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.

Source URL (retrieved on 09/01/2014 - 9:59pm):

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[1] <http://www.seielect.com/>