

PRESS RELEASE



SM Series from Stackpole Offers High Power Handling without Compromising Solder Joint Integrity

RALEIGH, NC (June 27, 2011) - High power SMD ceramic based chip resistors are susceptible to solder joint failure, cracking, and pulling the solder lands off the PCB. This is due to the difference in the coefficient of thermal expansion between standard PCB materials, such as FR4 and ceramic. Stackpole's SM Series surface mount molded wirewounds have compliant terminations that expand and contract with the PCB eliminating those concerns. In addition, the SM Series is capable of power ratings beyond 4 watts which are not normally supported by a single ceramic substrate film chip resistor.

The SM Series wirewounds are available in power ratings from 1 to 4 watts, in resistance values from 0.01 (ohm) to 5K (ohm), and in tolerances as low as 0.1%. It is an excellent choice for a variety of power control applications, motor controls, protection circuits for motors and utility meters, high power instrumentation, optical sources and power meters, medical grade lasers and other medical equipment, aerospace instrumentation, and other types of test equipment.



The SM Series is available in tape and reel packaging in quantities that vary with package size/power rating. Pricing varies with size, resistance value, and tolerance, and ranges from \$0.31 each to approximately \$1.05 each in full reel quantities. Contact Stackpole or one of our franchised distributors 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 website at www.seielect.com.

Stackpole Electronics Inc. is a leading global manufacturer of resistors supplying 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. Marys, 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.

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