



RPC Series

Thick Film Chip Resistors Provide Superior Pulse Handling

RALEIGH, N C (May 4, 2021) – Applications that experience pulse events require special consideration for selecting resistors. General purpose thick film chip resistors have variable pulse handling depending on calibration trim length. As a result, their pulse performance can be unreliable. Stackpole's RPC series has limited trim lengths for 1% and tighter tolerances and no calibration trim for 5% and wider tolerances. Reducing or eliminating the calibration trim allows the RPC to withstand significantly higher pulse energy in both single pulse and continuous pulse applications. For example, the RPC2512 may have single pulse handling of roughly 4500W for short pulse durations where commodity thick film chips will only withstand 100 to 500W. Finally, the pulse handling for the RPC with the tighter controlled or no calibration trim is very reliable and repeatable.



Pricing for the RPC depends on size and tolerance and ranges from \$0.015 to \$0.15 each in full package quantities. Contact Stackpole or one of our franchised distribution partners for volume pricing. Many popular sizes and resistance values are currently in stock.

RPC Series Pulse withstanding thick Film Chip Resistor

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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.