

Stackpole Electronics

Resistive Product Solutions



RPC-UP High Power Pulse Withstanding Chip Resistors for High Reliability Applications

RALEIGH, NC (Jan 9, 2024) – As power ratings continue to increase, the power handling requirements for chip resistors increase as well. If the application also requires reliable pulse handling, the options for high continuous power handling, high pulse handling, and precision tolerances can be limited. The RPC-UP from Stackpole utilizes a unique element formation and limited trimming for excellent pulse withstanding, high power ratings, and tolerances as low as 0.5%. Power ratings are as follows:

- RPC0603-UP = 0.33W
- RPC0805-UP = 0.5W
- RPC1206-UP = 0.75W
- RPC1210-UP = 1W



The exceptional pulse handling and high power handling allow the RPC-UP to be used in applications normally requiring larger and more expensive resistor types. Many popular values are now in stock.

Pricing for the RPC-UP depends on size and tolerance and ranges from \$0.024 to \$0.032 each in full package quantities. Contact Stackpole or one of our franchised distribution partners for volume pricing.

[RPC-UP Series](#)

[Ultra High Power Pulse Withstanding Thick Film Chip Resistor](#)

Stackpole Electronics, Inc.

Editor Contact Information

Kory Schroeder

Director of Marketing & Product Engineering

919-875-2495

kschroeder@seielect.com

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For more information about Stackpole products, contact Stackpole Electronics, Inc. at 3110 Edwards Mill Road, Suite 207, Raleigh, NC 27612; 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 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.