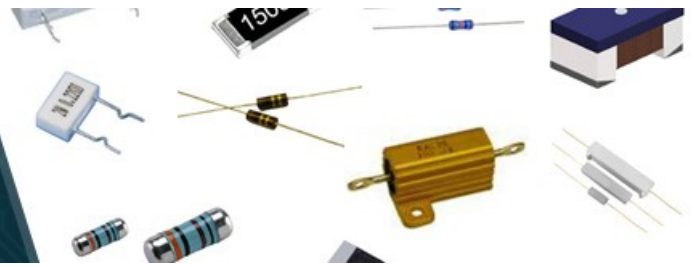


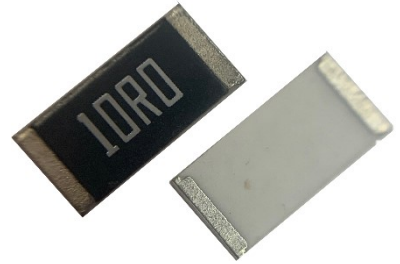
# Stackpole Electronics

Resistive Product Solutions



## RTAN Series Tantalum Nitride Precision Chip Resistors Add 10 ppm/°C TCR Capability

**RALEIGH, NC** (June 15, 2021) – Electronics are being used in a wide range of devices and environments. As a result, component performance under environmental stress is more critical. When the application requires both environmental stability and high precision, resistor options become very limited. Nichrome-based thin film resistors have excellent electrical performance and stability but can experience corrosion under prolonged exposure to high moisture environments. Stackpole’s AEC-Q200 qualified RTAN series utilizes tantalum nitride technology to provide moisture proof precision chip resistor performance. The RTAN film passes biased humidity testing at 85°C, 85% relative humidity, and 10% bias with very little shift in resistance. Stackpole has recently expanded the available tolerances to include 0.05%, and TCR options now include 10 ppm/°C. This expansion enables the use of the RTAN for a wider variety of precision application requirements. Those applications include instrumentation, aerospace, test equipment, industrial controls, portable communications diagnostic equipment, and portable medical devices.



Pricing for the RTAN depends on size and tolerance but ranges from \$0.15 to \$0.65 in full reel quantities. Contact Stackpole or one of our franchised distribution partners for volume pricing. Many popular resistance values and tolerances are in stock.

### [RTAN Series](#) [Tantalum Nitride Thin 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.