

RVCU High Voltage Chip Resistors Offer Low VCR

RALEIGH, NC (Jun. 17, 2025) – Stackpole's RVCU high voltage chip resistors are designed for high voltage applications that demand precise measurements. Unlike many high voltage resistors that lack a specified Voltage Coefficient of Resistance (VCR), which can significantly impact accuracy in voltage divider applications, Stackpole's RVCU resistors offer a VCR of 25 to 50 ppm depending on the resistance value. This reduces measurement errors to 2.5% to 5% over a 1000 V change, compared to the 20% to 30% error seen with resistors having VCRs of 200 to 300 ppm.



The RVCU resistors feature a working voltage range from 800 V in the 1206 size to 3000 V in the 2512 size, which is substantially higher than the typical voltage rating of most chip resistors of similar sizes. Additionally, the AEC-compliant RVCU resistors are available with tolerances as low as 0.5% and a Temperature Coefficient of Resistance (TCR) of 100 ppm. Their robust, anti-sulfur structure meets the IEC-62368 requirements for audio/visual and communications equipment, with resistance values ranging from 75 K Ω to 27 M Ω .

The RVCU series is an excellent choice for commercial high voltage LED lighting, medical devices, audio and video equipment, communications systems, test and measurement equipment, and voltage dividers for high voltage transmission and control.

Pricing for the RVCU series depends on size, resistance value, and tolerance. For specific pricing, please contact Stackpole or one of our franchised distribution partners.

[RVCU Series](#) [High Voltage Low VCR Chip Resistor](#)

Editor contact information:
Kory Schroeder, B.S.E.E.
Director of Marketing and Product Engineering
Stackpole Electronics, Inc.

For more information about Stackpole products, contact Stackpole Electronics, Inc. at
3110 Edwards Mill Rd., Suite 207, Raleigh, NC 27612; phone 919-850-9500;
email marketing@seielect.com; or visit our website at www.seielect.com.

Stackpole Electronics Inc. is a leading global manufacturer of resistors. 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, Stackpole has facilities in Japan, Taiwan, China, the US and Mexico.

###