

RVR22 Technical Summary

Selected data compiled from the series RVR22 datasheet

Standard resistance values	200 Ω / 1 k Ω / 2 k Ω / 5 k Ω / 10 k Ω
Standard resistance tolerance	$\pm 20\%$
Resistance taper	Linear
Linearity	$\pm 3\%$ in the detailed electrical table; other order codes available
End resistance	20 Ω maximum
Noise (C.R.V.)	200 mV
Power rating	0.25 W at 40 °C, derated to 0 W at 85 °C
Maximum input voltage	50 VDC
Mechanical angles	180° / 300° / 312° / 360°, configuration dependent
No-load rotational life	1,000,000 cycles in the detailed test table
Life-test acceptance	Total resistance change $\leq \pm 5\%$
Operating temperature	-30 to +85 °C
Storage temperature	-40 to +105 °C
Protection	IP65
Operating torque	60 gf·cm maximum

Resistance values are discrete selections. The reference electrical specification is $\pm 3\%$ linearity; tighter precision and different life ratings depend on the order code.

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Configuration and integration

Shaft material

Brass, SUS303 stainless steel or aluminium order codes.

Shaft & bushing

Flat, slotted or round shafts; 6.35 mm / 10 mm bushings; 20 mm / 25 mm FMS options.

Linearity & life

Linearity codes $\pm 1.5\%$, $\pm 2\%$, $\pm 2.5\%$ or $\pm 3\%$. Life codes E 300,000 / S 1 million / P 3 million cycles.

Electrical travel

Multiple angle codes, including 300° mechanical / 280° electrical and 360° mechanical / 340° electrical.

Connections

Use the supplied connection drawing for the ordered terminal arrangement. Confirm output direction and the effective electrical angle before wiring.

Reference information only. Contact hogan@cookagroup.com or WhatsApp +86 17708270160 for the controlled drawing and configuration review.

