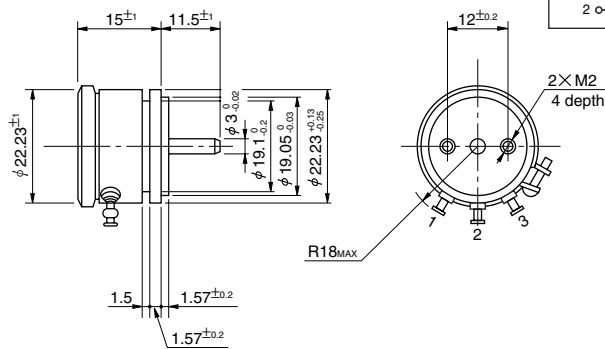


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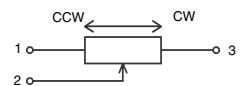


Conductive Plastic

Standard Dimensions



Terminal Connection Diagram



General Specifications

Standard Resistance Values	1 k, 2 k, 5 k, 10 k Ω
Independent Linearity	Standard Class $\pm 1.0\%$ • Precision Class $\pm 0.5\%$ • Super Precision Class $\pm 0.25\%$
Electrical Travel	$320^\circ \pm 5^\circ$
Mechanical Travel	360° (Endless)
Resolution	Essentially infinite
Output Smoothness	Below 0.1% against input voltage
Contact Resistance Variation	Below 2% C.R.V.
Power Rating	1.0 W
Recommended Wiper Current	$<10 \mu A$
Starting Torque	Below 1.5 mN•m (15 gf•cm)
Resistance Temperature Coefficient	± 400 p.p.m./ $^\circ C$
Weight	Approx. 20 g

Environmental Specifications

Operating Temperature Range	$-55^\circ C \sim +125^\circ C$
Shock	50 g
Vibration	10 Hz to 2,000 Hz, 15 g
Life Expectancy	50,000,000 shaft revolutions
Sealing	Std IP40, IP65 possible

Special Specification Examples

Better tolerances of resistance and linearity. Fractional resistance values. Other electrical or mechanical angles. 1 extra tap. Multi-ganged (available up to 5 gangs, housing length is extended by 8.5 mm per 1 gang). Shaft with front and rear extension (rear shaft with 3 mm dia. and 10 mm length). With stopper (rotating angle becomes 320° and stopper strength is 0.3 N•m [3 kgf•cm]). Special electrical travel. Shaft dia. ($\varnothing 3.175$ mm) with inch dimensions. Special machining on the shaft.

Subject to change without prior notice. We refer to our general terms and conditions.

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