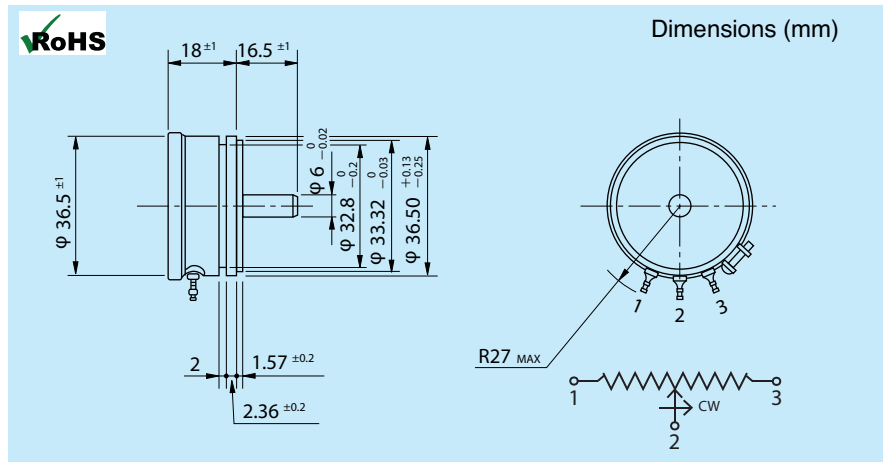


Single Turn Conductive Plastic Potentiometer

Series STCS40



• General Specifications (Note 1)

Resistance Values (Ω):	500, 1K, 2K, 5K, 10K, 20K 50K, 100K, 200K	Contact Resistance Variation:	Below 2% C.R.V.
Resistance Tolerance:	Standard Class ±10% Precision Class ±5%	Power Rating:	2.0W @ 70°C (0W @ 105°C)
Independent Linearity Tolerance:	Standard Class ±0.5% Precision Class ±0.25% Super Precision Class ±0.1%	Electrical Travel:	340° ±5°
Resolution:	Essentially Infinite	Mechanical Travel:	360° (continuous)
Output Smoothness:	Below 0.1% against input voltage	Insulation Resistance:	> 1000M ohms @ 500 VDC
Rotational Life:	50,000,000 shaft revolutions (no load)	Dielectric Strength:	1 minute @ 500 VAC
Protection Grade:	IP40	Starting Torque:	< 3mN·m (30gf·cm)
Operating Temperature:	-55°C ~ +125°C (Note 1)	Temperature Coefficient:	±400p.p.m / °C
		Vibration:	15G / 10Hz to 2,000Hz
		Shock:	50 G / 11ms
		Mass:	Approx 60g

• Special Specifications Available

Extra taps (Available up to 3 taps). Multi-ganged (up to 7 gangs, housing length extended by 12mm per gang). Shaft with front and rear extension (rear shaft with 6mm dia. and 15mm length). With stopper (angle becomes 320° and stopper strength is 0.9N·m [9kgf·cm]). Special electrical angles. Shaft with ø6.35mm. Special machining on shaft.

Note 1: Customers should test and verify device performance in any given application. General specifications are measured at temperatures of +15°C ~ +35°C. Specifications subject to change without notice.