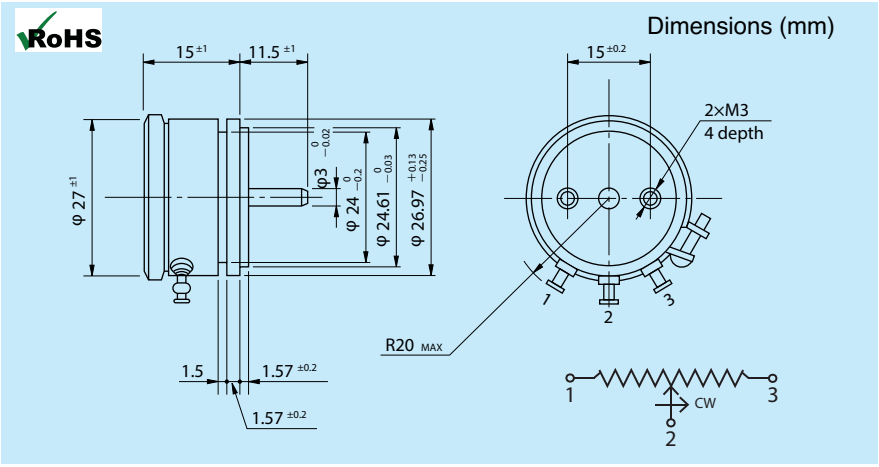
STCS30 Series

Single Turn Potentiometer
(Conductive Plastic)

Model STCS30



• General Specifications (Note 1)

Resistance Values (Ω):	500, 1K, 2K, 5K, 10K, 20K 50K, 100K
Resistance Tolerance:	Standard Class ±10%
Independent Linearity Tolerance:	Standard Class ±1.0% Precision Class ±0.5% Super Precision Class ±0.20%
Resolution:	Essentially Infinite
Output Smoothness:	Below 0.1% against input voltage
Rotational Life:	50,000,000 shaft revolutions (no load)
Protection Grade:	IP40
Operating Temperature:	-55°C ~ +125°C

Contact Resistance Variation:	Below 2% C.R.V.
Power Rating:	1.5W @ 70°C (0W @ 105°C)
Electrical Travel:	340° ±5°
Mechancial Travel:	360° (continuous)
Insulation Resistance:	> 1000M ohms @ 1000 VDC
Dielectric Strength:	1 minute @ 1000 VAC
Starting Torque:	< 2mN•m (20gf•cm)
Temperature Coefficient:	±400p.p.m / °C
Vibration:	15G / 10Hz to 2,000Hz
Shock:	50 G / 11ms
Mass:	Approx 25g

• Special Specifications Available

Extra taps (Available up to 1 tap). Multi-ganged (up to 5 gangs, housing length extended by 8.5mm per gang). Shaft with front and rear extension (rear shaft with 3mm dia. and 10mm length). With stopper (angle becomes 320° and stopper strength is 0.3N•m [3kgf • cm]). Special electrical angles. Shaft with ø3.175mm. Special machining on shaft.

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