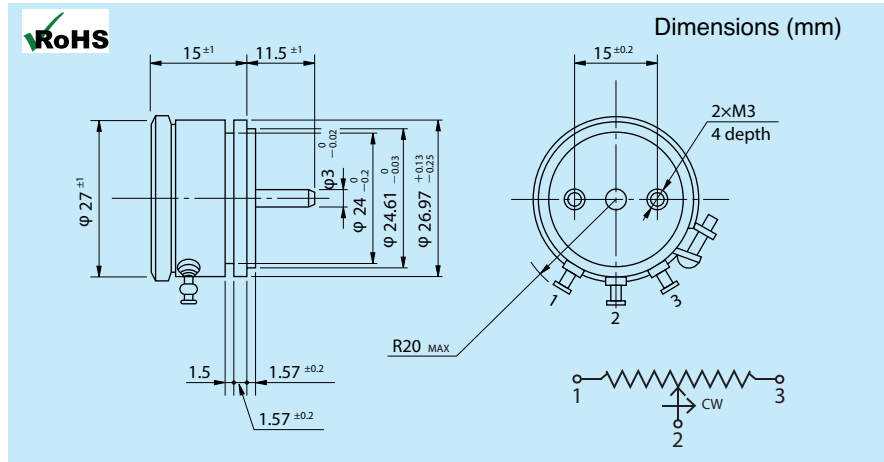


STCS30 Series

Single Turn Potentiometer (Conductive Plastic)



• 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°

Mechanical Travel:

360° (continuous)

Insulation Resistance:

> 1000M ohms @ 500 VDC

Dielectric Strength:

1 minute @ 500 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.