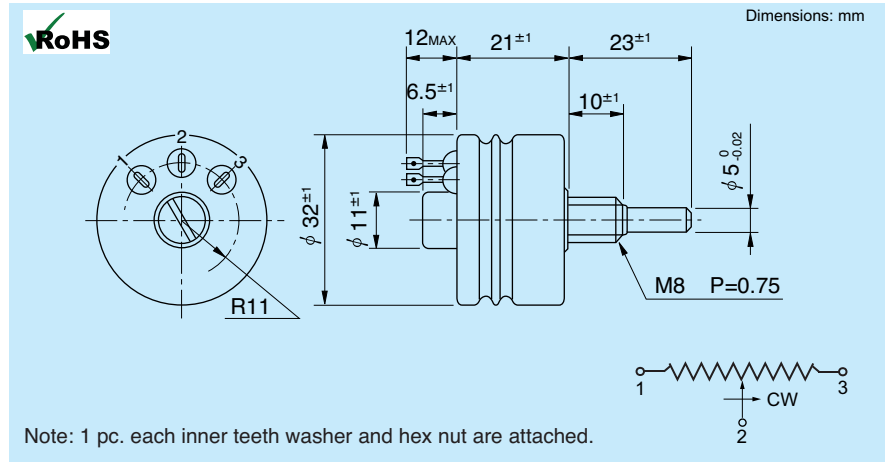


STCOF30 Series

Single Turn Potentiometer (Conductive Plastic, Oil Filled)



• General Specifications (Note 1)

Resistance Values (Ω):	500, 1K, 2K, 5K, 10K, 20K, 50K, 100K	Contact Resistance Variation:	Below 2% C.R.V.
Resistance Tolerance:	Standard Class $\pm 10\%$	Power Rating:	1.0W @ 70°C (0W @ 60°C)
Independent Linearity Tolerance:	Standard Class $\pm 1.0\%$ Precision Class $\pm 0.5\%$	Electrical Travel:	280° $\pm 5^\circ$
Resolution:	Essentially Infinite	Mechanical Travel:	360° (continuous)
Output Smoothness:	Below 0.1% against input voltage	Insulation Resistance:	> 1000M ohms @ 500 VDC
Rotational Life:	10,000,000 shaft revolutions (no load)	Dielectric Strength:	1 minute @ 500 VAC
Protection Grade:	IP65	Starting Torque:	Below 30mN·m (300gf·cm)
Operating Temperature:	-30°C ~ +60°C	Temperature Coefficient:	± 400 p.p.m / °C
		Vibration:	15G / 10Hz to 2,000Hz
		Shock:	50 G / 11ms
		Mass:	Approx 40g

• Special Specifications Available

Extra taps (available up to 1 tap). Special electrical travel. Inch dimension shaft (6.35mm, 1/4"). Inch dimension bushing (3/8-32). Special shaft machining. Servo mount type. Please consult us for these or further modifications.

Note 1: Customers should test and verify device performance in any given application.