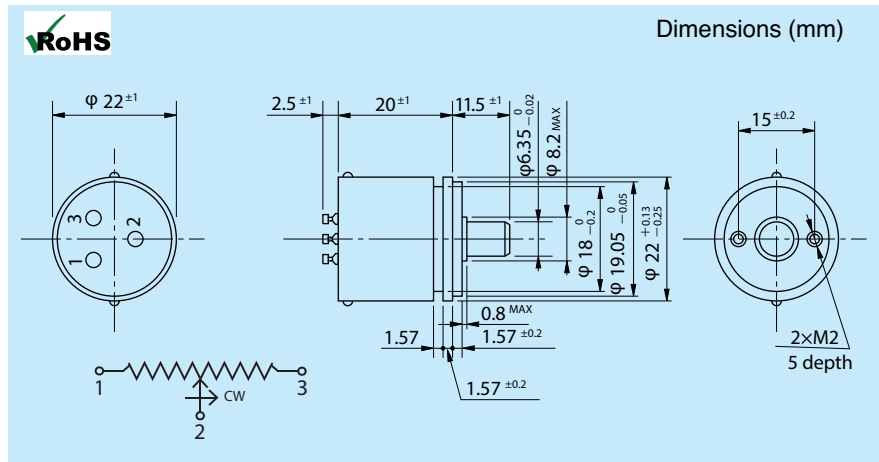


Single Turn Conductive Plastic Potentiometer

Series STCS22A



• 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 $\pm 15\%$ Precision Class $\pm 10\%$ Super Precision Class $\pm 5\%$	Power Rating:	1.0W @ 70°C (0W @ 105°C)
Independent Linearity Tolerance:	Standard Class $\pm 1.0\%$ Precision Class $\pm 0.5\%$	Electrical Travel:	320° $\pm 5^\circ$
Resolution:	Essentially Infinite	Mechanical Travel:	360° (continuous)
Output Smoothness:	Below 0.1% against input voltage	Insulation Resistance:	> 1000M ohms @ 500 VDC
Rotational Life:	20,000,000 shaft revolutions (no load)	Dielectric Strength:	1 minute @ 500 VAC
Protection Grade:	IP40	Starting Torque:	< 5mN·m (50gf·cm)
Operating Temperature:	-55°C ~ +105°C (Note 1)	Temperature Coefficient:	$\pm 400 \text{ p.p.m} / ^\circ\text{C}$
		Vibration:	15G / 10Hz to 2,000Hz
		Shock:	50 G / 11ms
		Mass:	Approx 20g

• Special Specifications Available

Extra taps (Available up to 1 tap), Shaft with front and rear extension (Rear shaft with 3mm dia. and 20mm length), With stopper (Rotating angle becomes 320° and stopper strength is 0.9N·m [9kgf·cm]), Special electrical travel, Shaft dia. ($\varnothing 6\text{mm}$ or other), Special machining on shaft

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