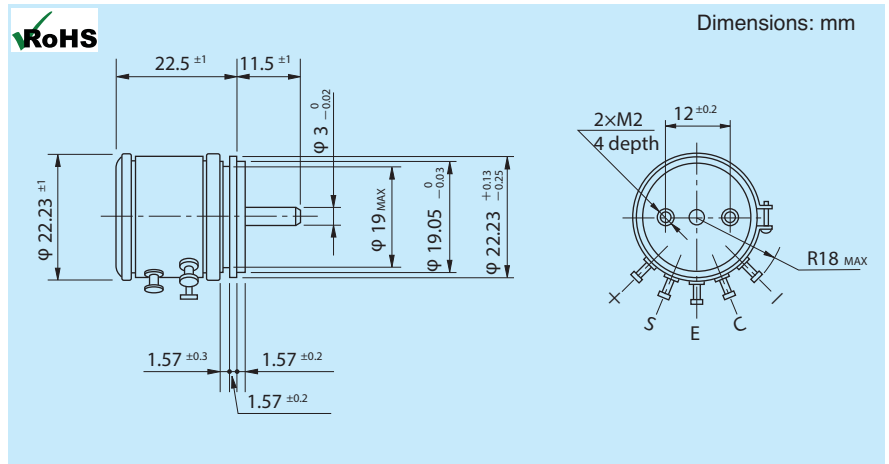


STCSC22 Series

Single Turn Sine-Cosine Potentiometer (Conductive Plastic)



• General Specifications (Note 1)

Resistance Values (Ω): 500, 1k, 2k, 5k, 10k, 20K, 50k

Total Resistance Tolerance:
Standard Class $\pm 15\%$
Precision Class $\pm 10\%$

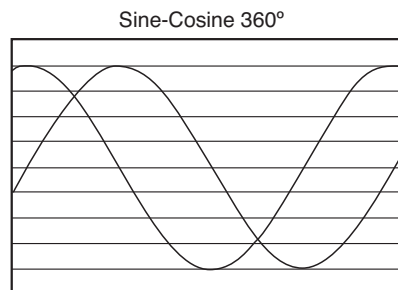
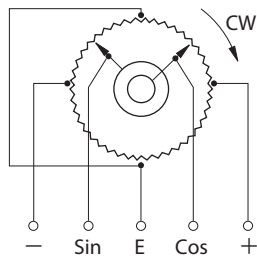
Conformity Tolerance:
Standard Class $\pm 2.0\%$
Precision Class $\pm 1.0\%$

Resolution: Essentially infinite
Rotational Life: 50,000,000 shaft revolutions (no load)

Protection Grade: IP40
Operating Temperature: -55° to $+105^\circ\text{C}$ (Note 1)

Output Smoothness: Below 0.1% against input voltage
Contact Resistance Variation: Below 8% C.R.V.
Power Rating: 0.5W
Electrical Travel: 360° (continuous)
Mechanical Travel: 360° (continuous)
Starting Torque: Below $3\text{mN} \cdot \text{m}$ ($30\text{gf} \cdot \text{cm}$)
Resist. Temperature Coefficient: $\pm 400\text{p.p.m./}^\circ\text{C}$
Dielectric Strength: 1 minute @ 500VAC
Insulation Resistance: $> 1,000\text{M}\Omega$ @ 500VDC
Vibration: 15 G / 10Hz to 2,000Hz
Shock: 50 G / 11ms
Mass: Approx. 20g

• Terminal Connections



• Special Specifications Available

Multi-ganged (up to 3 gangs. Housing length is extended by 16mm per gang). Shaft with front and rear extension (rear shaft with 3mm dia. and 10mm length). Shaft dia. ($\text{Ø}3.175\text{mm}$) with inch dimensions. Special shaft machining. Oil filled.