



High Precision

Servo Mount

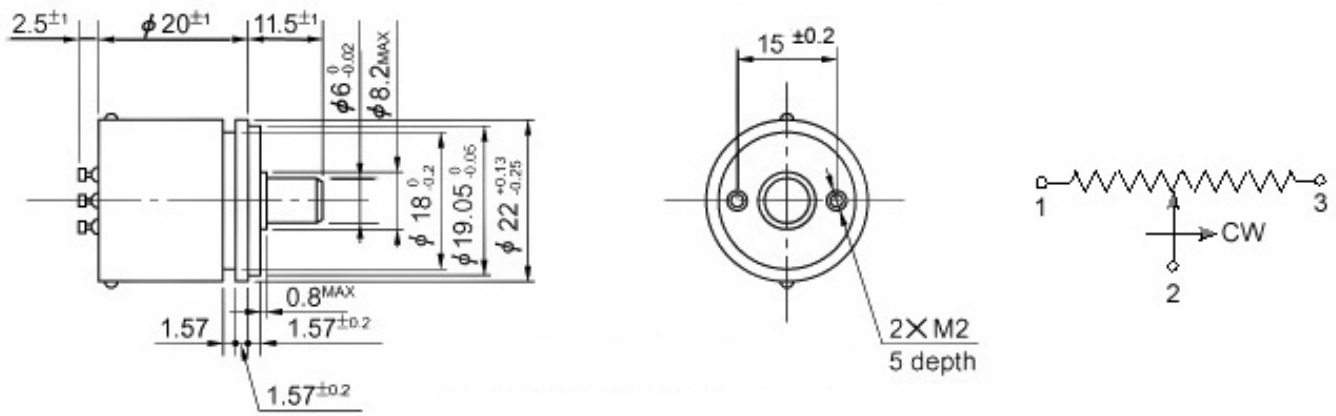
Economical

- **Rear Terminals**
- **20 Million Turns Life**
- **Infinite Resolution**
- **500 to 100K ohms Resistance Values**

Industry standard 22mm (7/8") body diameter with rear turret terminals. Very long life, high precision with a wide range of options available.

Electrical Specifications	SFCP22
Electrical Angle	320 ±5°
Resistance Value (ohms)	500...100k
Resistance Tolerance	±5%
Linearity Tolerance (std.)	±0.75%
Linearity Tolerance (best)	±0.25%
Resolution	Essentially infinite
Max. Voltage (V)	2000
Wiper Current	1 µA recommended / 1 mA max.
Power @ 40° (W)	1
Insulation Resistance	>1000 Mohm @ 500 VDC
Dielectric Strength	1 minute @ 500 VAC
Output Smoothness	< 0.1% per MIL-R-39023
Mechanical Specifications	
Mechanical Angle	360° (continuous)
Maximum Operating Friction	0.3 (Ncm)
Life Expectancy	20 million cycles
Max. Axial Play of Shaft	0.2 mm
Max. Radial Play of Shaft	0.1 mm
Vibration	15 g / 10Hz to 2,000 Hz
Shock	50 g / 11ms
Bearing	2 x precision ball bearings
Environmental Specifications	
Operating Temperature	-55°C to +105°C
IP Protection Grade	IP40 (IP54 opt.)
Standard	per MIL-R-12934
Materials	
Housing	Metal
Shaft	Stainless steel
Mounting	Servo clamp (fixing clamps included, 3 pcs. type SFN2)
Terminals	Turret type gold plated brass

Dimensions (mm)



Options

- | | | |
|---------------------------|----------------------------|-----------------------------|
| - Extra tap (1 only) | - Special operating angles | - Higher IP ratings |
| - Special shaft machining | - Tighter tolerances | - Special resistance values |
| - Rear shaft (3mm x 20mm) | - 6.35mm shaft diameter | |

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