



High Precision Range

Servo Mount

Economical

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

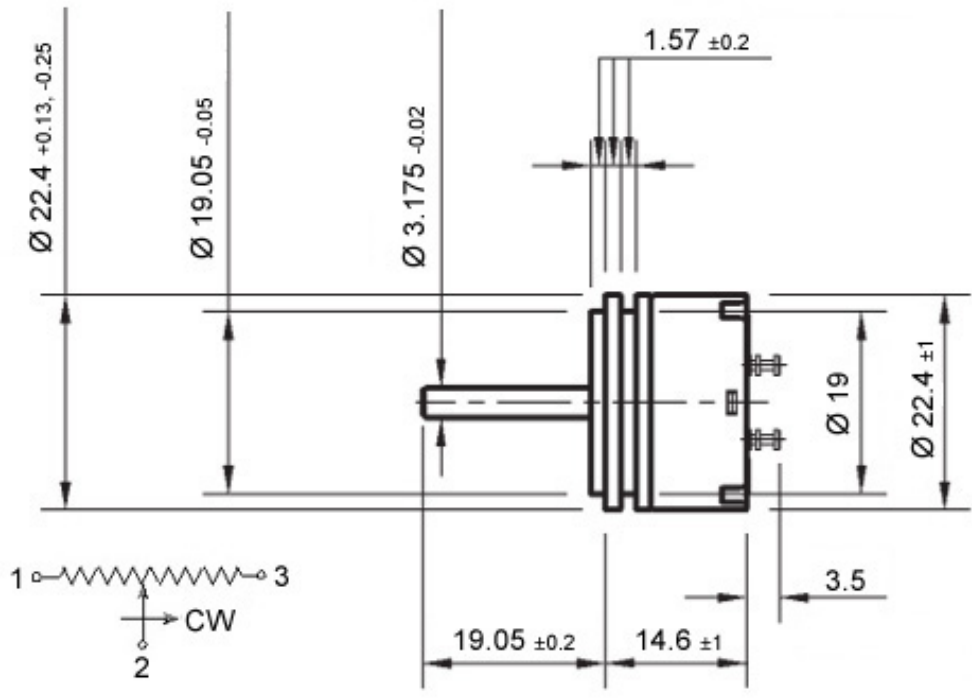
Industry standard 22mm (7/8") body diameter with rear turret terminals. Very long life, high precision with a wide range of options available. Available with or without mechanical stops.

Electrical Specifications	MPAS20	MPAS21
Electrical Angle	340 ±4°	320 ±4°
Resistance Value (ohms)	500...100k	
Resistance Tolerance	±15% (±10% opt.)	
Linearity Tolerance (std.)	±1%	
Linearity Tolerance (best)	±0.5%	
Resolution	Essentially infinite	
Max. Voltage (V)	400	
Wiper Current	2 µA recommended / 10 µA 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)	320° ±5°
Maximum Operating Friction	0.5 (Ncm)	
Stopper Strength	-	60 (Ncm)
Life Expectancy	10 million turns	
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 (IP65)	
Standard	per MIL-R-12934	

Materials

Housing	Engineered plastic
Shaft	Stainless steel
Bushing	Brass
Terminals	Turret type

Standard Dimesnisons (mm)



Options

- Extra tap (1 only)
- Special operating angle
- Higher IP ratings
- Special shaft machining
- Tighter tolerances
- Special resistance values

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