

Low Cost

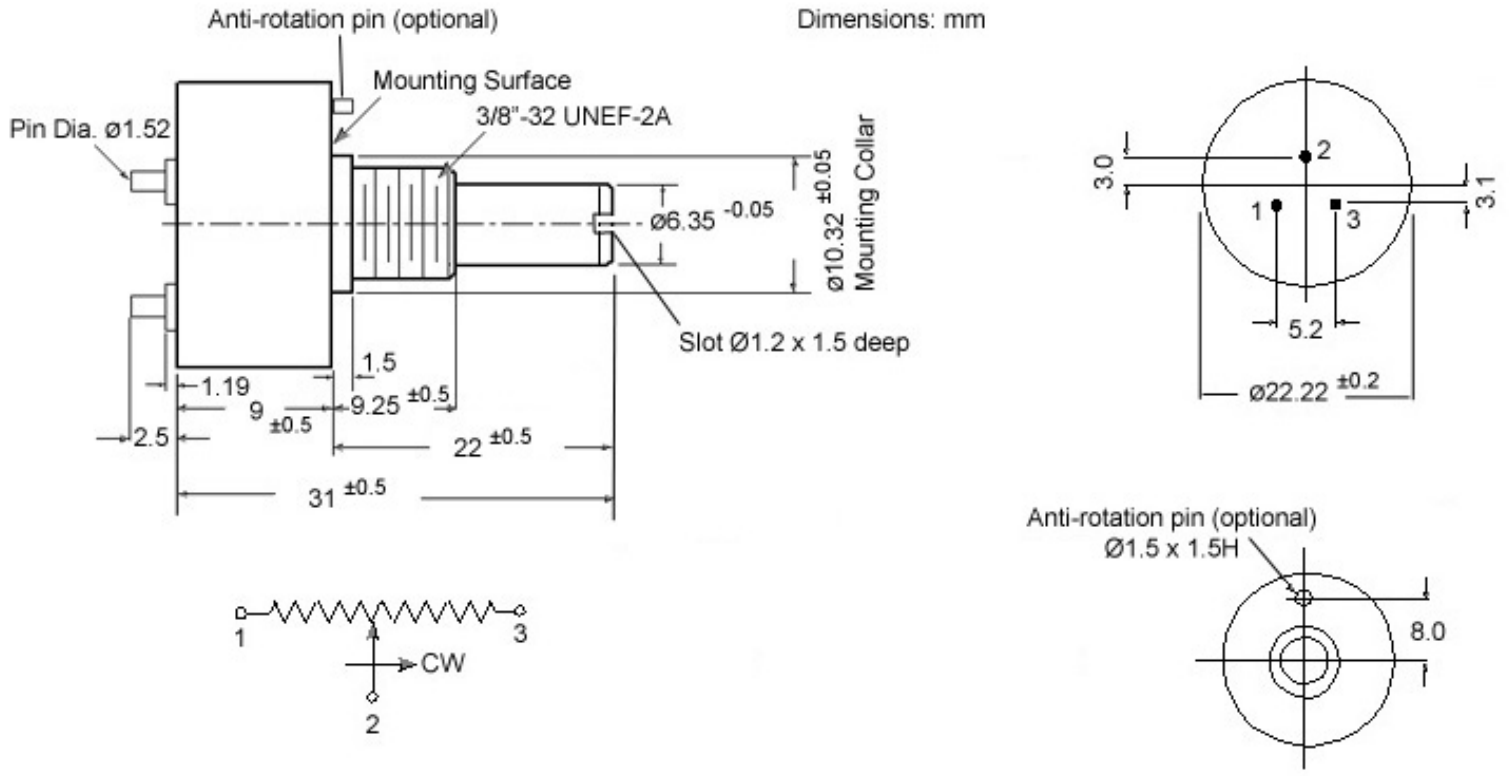
High Performance

- **Industry Standard Dimensions**
- **4,000,000 Turns Life**
- **Infinite Resolution**
- **1K to 100K ohms Resistance Values**
- **All Metal Construction**

Industry standard 22mm (7/8") diameter in an all metal package. High performance at a low cost. Suitable as a precision controller or as an analog feedback (position) sensor. Many custom options are available with quick delivery.

Electrical Specifications	R22P	R22PC
Electrical Angle	340 ±4°	
Resistance Value (ohms)	1k ~ 100k	
Resistance Tolerance	±20% (±10% opt.)	
Linearity Tolerance (std.)	±2%	
Linearity Tolerance (best)	±1%	
Resolution	Essentially infinite	
Wiper Current	1 mA	
End Resistance	< 0.5%	
Power @ 70°C (W)	1.0	
Insulation Resistance	1000 Mohm @ 500 VDC	
Dielectric Strength	1 minute @ 500 VAC	
Temperature Coefficient	±400 ppm/deg.C	
Mechanical Specifications		
Mechanical Angle	340° ±5°	360° (continuous)
Maximum Operating Friction	0.3 Oz-in.	
Life Expectancy	4,000,000 Turns	
Bearing	sleeve	
Environmental Specifications		
Operating Temperature	-55°C to +105°C	
Protection Grade	IP40 (IP65 optional)	

Materials	
Housing	Aluminum anodized
Shaft	Stainless steel
Bushing	Nickel plated brass
Terminals	Brass, gold plated (turret type)
Dimensions (mm)	



Options		
- Special shaft machining	- Special resistance values	- Special operating angles
- O-ring shaft seal	- IP65 rating	- Custom cabling
- Center tapped element	- Dual wipers	

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