



Low Cost

High Performance

- **Industry Standard Dimensions**
- **4,000,000 Turns Life**
- **Infinite Resolution**
- **1K to 100K ohms Resistance Values**
- **Stainless Steel Shaft**

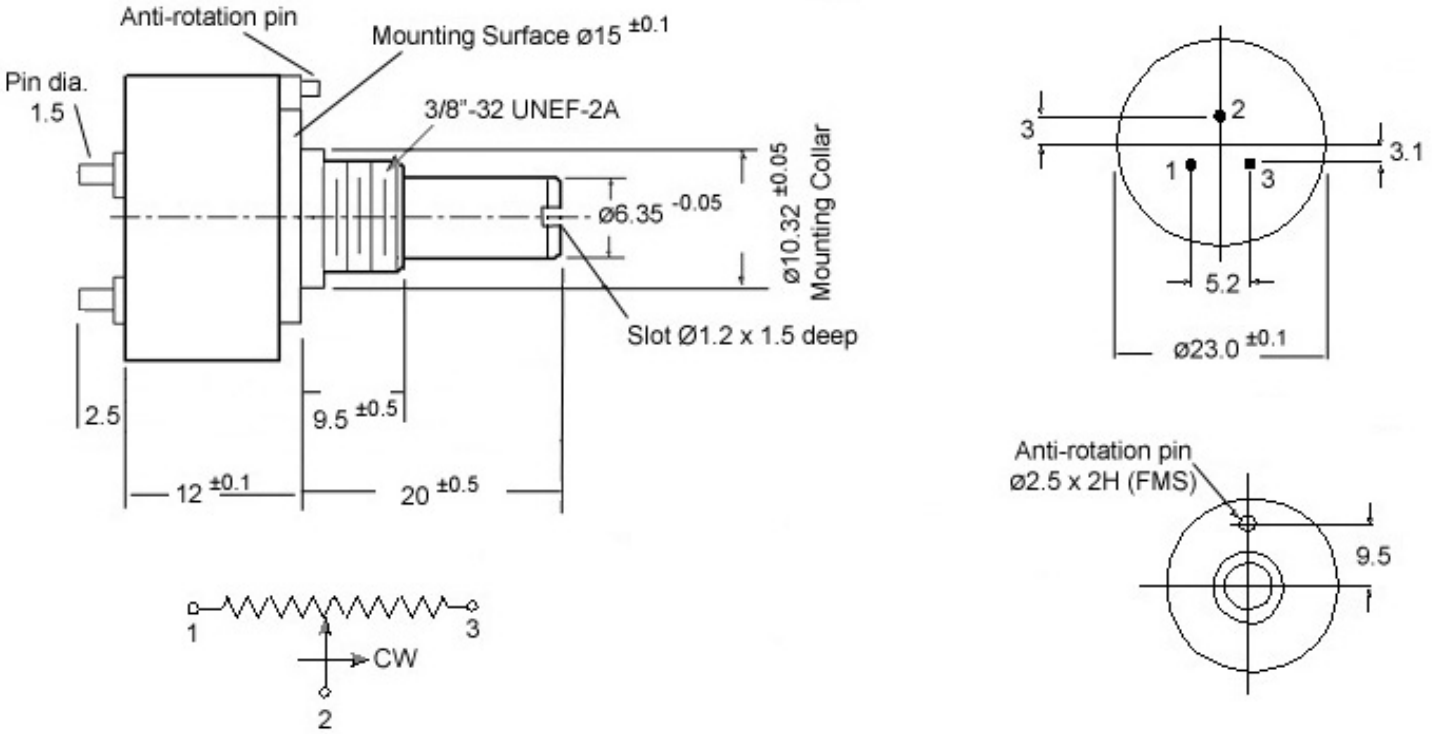
Industry standard 23mm diameter housing. High performance at a low cost. Suitable as a precision controller or as an analog feedback (position) sensor. Many custom options are available with quick delivery.

Electrical Specifications	R23P	R23PC
Electrical Angle	320 ±4°	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	330° ±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	Engineered plastic
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

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