

**Low Cost - High Performance**

- 4,000,000 Shaft Revolutions Life
- 2 Watts
- Infinite Resolution
- 2K ohms to 20K ohms Resistance Values

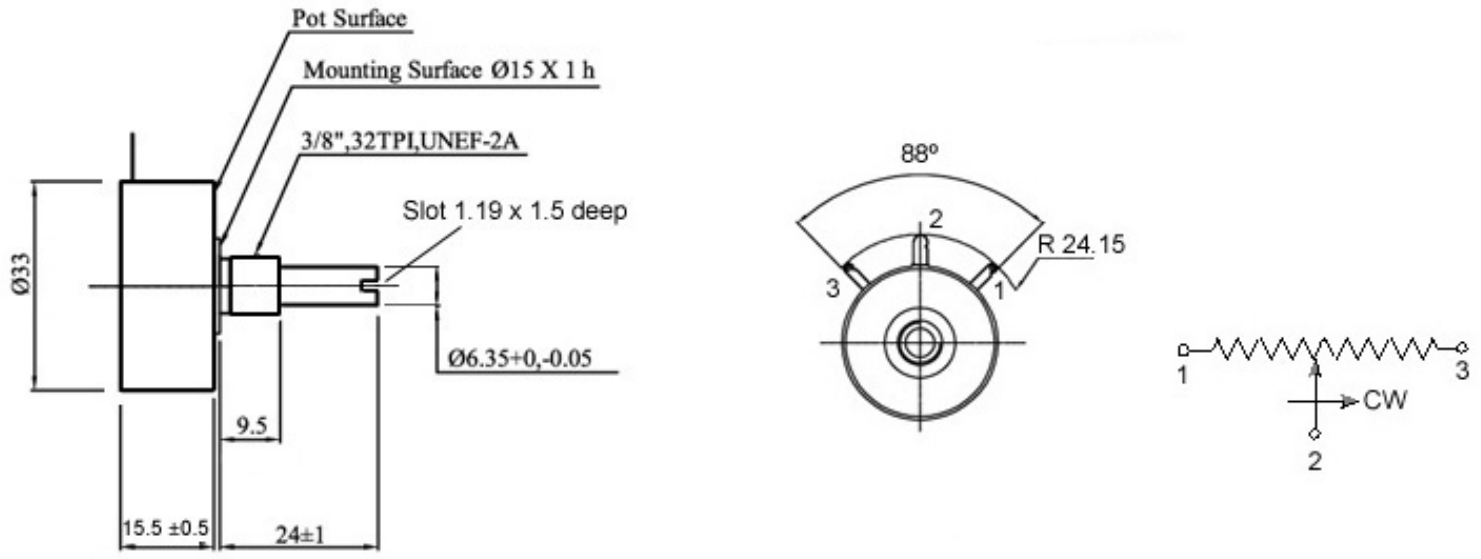


Long life and high resolution at a low cost. Suitable for industrial panel control and mechanical feedback sensor applications. Wide range of options including rear shaft, multiple gangs, IP65 sealing and custom machining of the shaft.

Electrical Specifications	R33P	R33PC
Electrical Angle	340° ±4°	350° ±4°
Resistance Value (ohms)	2k ~ 20k	
Resistance Tolerance	±20% (±10% opt.)	
Linearity Tolerance (std.)	±2%	
Linearity Tolerance (opt.)	±1%	
Power @ 40°C (W)	2.0	
Wiper Current	1 mA max.	
End Resistance	< 0.5%	
Insulation Resistance	1000 Mohm @ 500 VDC	
Dielectric Strength	1000 VAC	
Output smoothness	0.1%	
Mechanical Specifications		
Mechanical Angle	340° ±5°	360° (continuous)
Starting Torque	1.0 Oz-in.	
Operating Torque	0.75 Oz-in.	
Life Expectancy	4,000,000 shaft revolutions	
Housing Diameter	33mm	
Bearing	sleeve	
Environmental Specifications		
Operating Temperature	-55°C to +105°C	
Standards	IEC 393	
Protection Grade	IP40 (IP65 optional)	

Materials	
Housing	Thermoplast
Shaft	Stainless steel
Bushing	Brass
Terminals	Brass, gold plated

**Dimensions (mm)**



**Options**

- Sealed (IP65)
- Special Shaft Machining
- Special Resistance Values
- Special Operating Angles
- Custom Cables, Connectors
- Tighter Tolerances
- Multiple Gangs (up to 3)
- Rear Shaft Extension
- Center Tapped Element

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