

Low Cost Panel Controller

- 100,000 Turns Life
- Shaft O-ring and Slot are Standard
- 1% Standard Linearity
- 50 ohms to 20K ohms Resistance Values



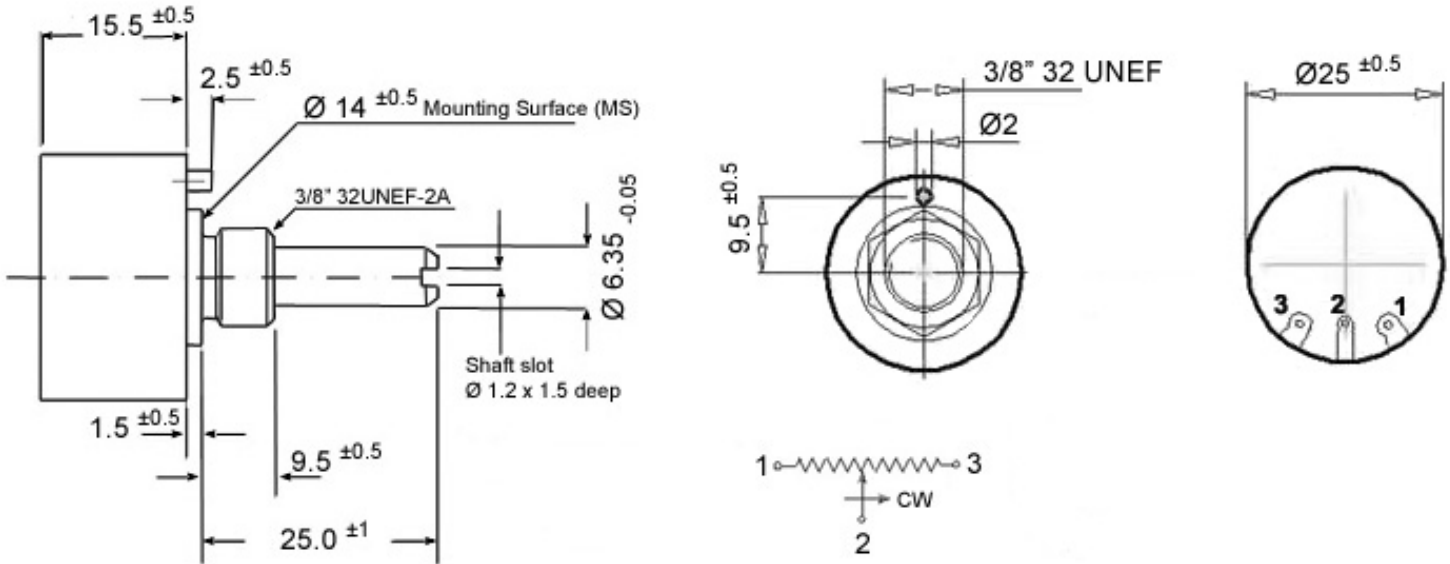
Excellent linearity and resistance tolerance with good rotational life at a very low cost makes this industrial grade potentiometer an ideal choice for manual control applications. Many options available.

Electrical Specifications	R25W	R25WC
Electrical Angle		270° ±5°
Resistance Value (ohms)		50 ~ 20k
Resistance Tolerance		±10% (±5% opt.)
Linearity Tolerance (std.)		±1%
Linearity Tolerance (opt.)		±0.75%
Power @ 40°C (W)		1.0
Insulation Resistance		1000 Mohm @ 500 VDC
Dielectric Strength		1000 VAC
Noise		< 100 ohm ENR
Mechanical Specifications		
Mechanical Angle	285° ±5°	360° (continuous)
Maximum Operating Torque		1.0 Oz-in.
Shock		30g, 10mS
Vibration		15g, 10hz ~ 2000hz
Life Expectancy		100,000 cycles
Housing Diameter		25mm
Bearing		sleeve
Environmental Specifications		
Operating Temperature		-30°C to +85°C
Standards		IEC 393
Protection Grade		IP40 (rear) IP54 (front)
Materials		
Housing		Thermoplast
Shaft w/O-ring		Nickel plated brass
Bushing		Nickel plated brass
Terminals		Brass plated

Resolution Chart

Resistance Value (ohms)	Resolution (%)
50	0.690
100	0.560
200	0.520
500	0.390
1K	0.260
2K	0.220
5K	0.170
10K	0.150
20K	0.110

Dimensions (mm)



Options

- Sealed (IP65)
- Special Shaft Machining
- Special Resistance Values
- Special Operating Angles
- Custom Cables, Connectors
- Tighter Tolerances

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