

MO46 Oil-Filled Multi-Turn Wirewound Potentiometer



For more information about this product, visit our website at: www.potentiometers.com



Series MO46 potentiometers feature a 3, 5, or 10-Turn Wirewound Element in an Oil-Filled Metal Housing.

Features

- Conductive Plastic over a Wirewound Element
- Available as a 3, 5, or 10-turn model
- Metal housing
- Sealed body, O-ring shaft seal
- Stainless steel shaft, plated brass bushing
- Glass headers on terminals
- Essentially infinite resolution
- Servo mount optional

Electrical Specifications

Resistance Range: 1K to 100K ohms standard
Resistance Tolerance: $\pm 5\%$
Independent Linearity: $\pm 0.3\%$
Electrical Angle: $3600^\circ \pm 5^\circ$
Power Rating: 5 watts
Insulation Resistance: 100 Megohms@500VDC
Dielectric Strength: 1,000 VAC

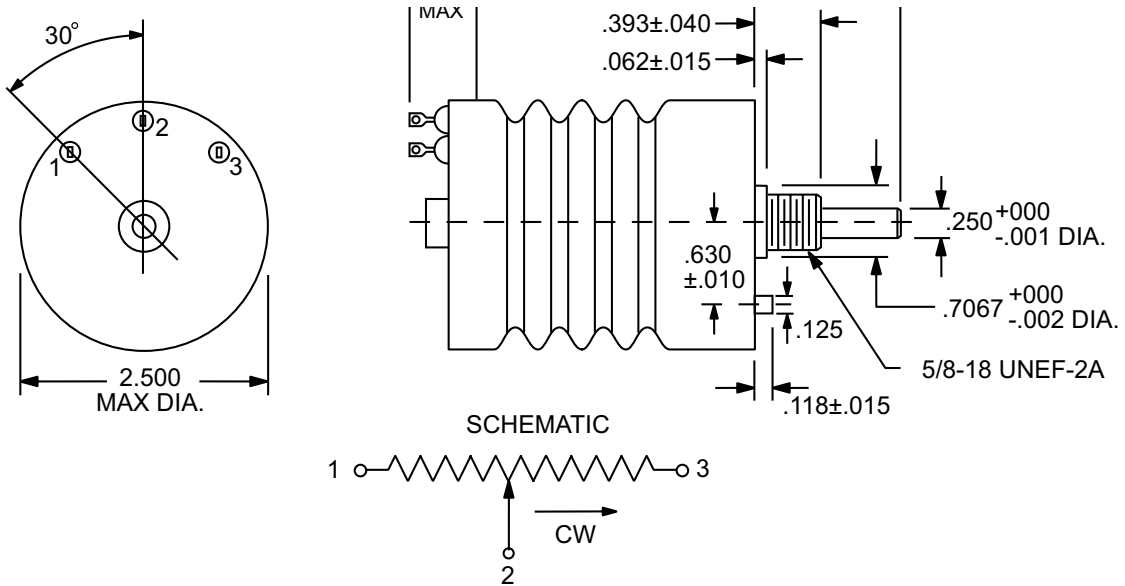
Mechanical Specifications

Mechanical Rotation: $3600^\circ +10^\circ -0^\circ$
Rotational Torque: 2.8 oz. in. Max
Rotational Life: 2,000,000 revolutions

Environmental Specifications

Operating Temperature: -20°C to $+60^\circ\text{C}$
Temperature Coefficient: ± 260 PPM/ $^\circ\text{C}$
Vibration: 10HZ to 2,000HZ 15G
Shock: 50G 11ms
Moisture Resistance: 40°C 95%RH 120 Hours

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Ordering Information

Example Part Number: **MO46B-10-10K**

MO46	B	10	10K
Model	Mount	Turns	Resistance
MO46	B = Bushing S = Servo	10 = 10 Turns 5 = 5 Turns 3 = 3 Turns	1K = 1K ohms 2K = 2K ohms 5K = 5K ohms 10K = 10K ohms 20K = 20K ohms 50K = 50K ohms 100K = 100K ohms

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