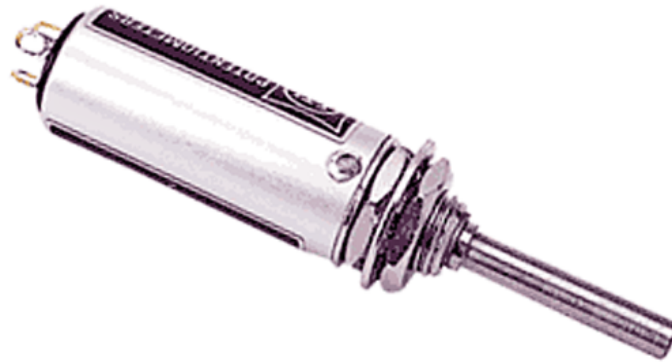


MW10 - .400" Diameter Wirewound Potentiometer



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

Series MW10 Potentiometers feature Wirewound elements.
.400" Diameter; 3, 5, or 10 turns; Panel or Servo mount

Features

- Wirewound resistive element
- Anodized Aluminum Housing.
- Stainless Steel shaft
- Gold plated brass terminals

Optional Features:

- Servo mount,
- O-Ring Shaft Seal,
- Sealed Body

Electrical Specifications

Resistance Range:

100 to 100K ohms standard

Resistance Tolerance: $\pm 3\%$

Independent Linearity:

10 Turn: $\pm 0.25\%$

3, 5 Turn: $\pm 0.35\%$

Electrical Angle:

10 Turn: $3600 \pm 5^\circ$

5 Turn: $1800 \pm 5^\circ$

3 Turn: $1080 \pm 5^\circ$

Resolution: .013% to .19%

Power Rating:

10 Turn: 1 watt

5 Turn: .5 watt

3 Turn: .3 watt

Insulation Resistance:

100 Megohms@1000VDC

Dielectric Strength: 500 VAC

Mechanical Specifications

Mechanical Rotation: 3, 5, or 10 turn

Stop Strength: 15 oz. in.

Starting Torque: 0.5 oz. in. Max

Weight (10 turn): 0.7 oz.

Weight (3 or 5 turn): 0.6 oz.

Rotational Life (10 turn): 1,000,000 turns

Rotational Life (3 or 5 turn): 600,000 turns

Environmental Specifications

Operating Temperature: -55°C to $+105^\circ\text{C}$

Temperature Coefficient:

100-200 ohms: ± 80 ppm/ $^\circ\text{C}$

500-100K ohms: ± 20 ppm/ $^\circ\text{C}$

Vibration: 10HZ to 2000HZ 15G

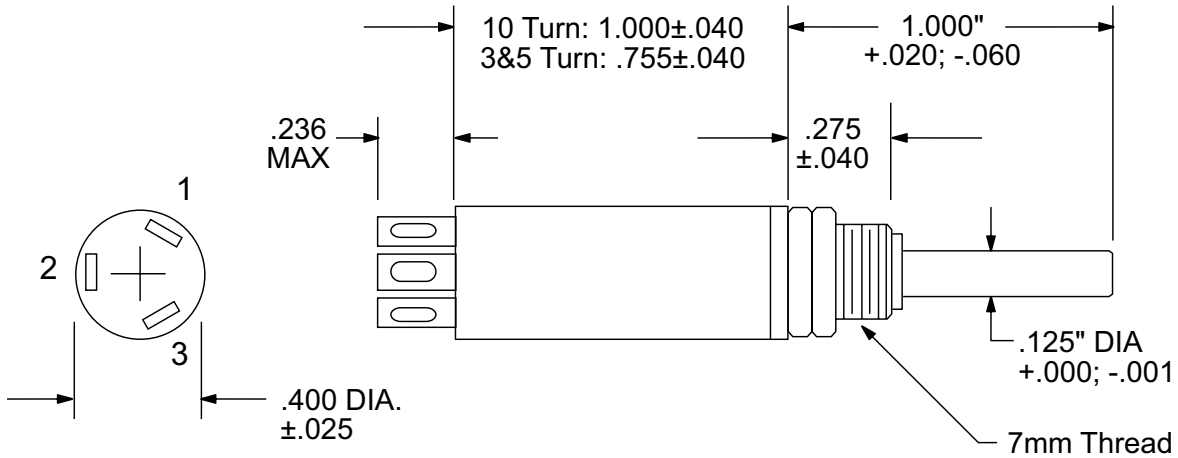
Shock: 50G 11MS

Moisture Resistance:

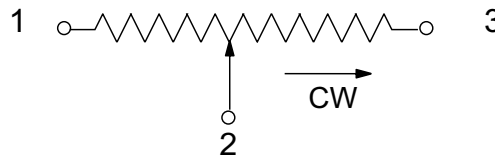
40°C 95%RH 240 Hours

MW10 - .400" Diameter Wirewound Potentiometer

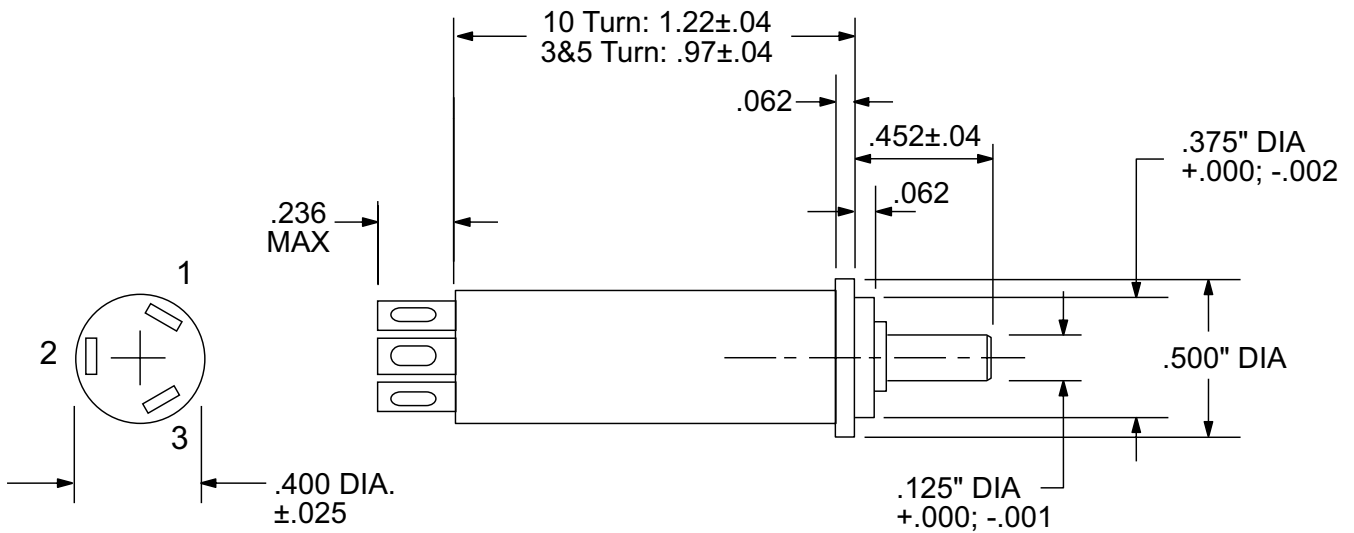
MW10B Panel Mount



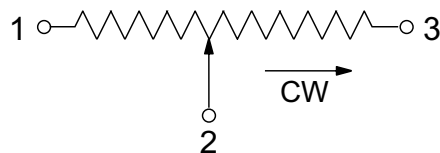
SCHMATIC



MW10S Servo Mount



SCHMATIC



MW10 - .400" Diameter Wirewound Potentiometer

Ordering Information

Example Part Number: **MW10B-10-10K**

MW10	B	-	10	-	10K	-	SS
Model	Mount		Turns		Resistance		Options
MW10	B = Bushing S = Servo		10 = 10 Turns 5 = 5 Turns 3 = 3 Turns		100 = 100 ohms 200 = 200 ohms 500 = 500 ohms 1K = 1K ohms 2K = 2K ohms 5K = 5K ohms 10K = 10K ohms 20K = 20K ohms 50K = 50K ohms 100K = 100K ohms		SS = O-Ring Shaft Seal SB = Sealed Body

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