

MW20 Wirewound Potentiometer - .825" Diameter



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



Series MW20 potentiometers feature 3, 5, or 10-Turn Wirewound elements.

Features

- Wirewound resistive element
- Available as 3, 5, or 10 turn models
- Hi Temperature Plastic Housing.
- Stainless steel shaft, brass bushing
- Gold plated terminals

Optional Features:

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

Electrical Specifications

Resistance Range: 100 to 100K ohms standard

Resistance Tolerance: $\pm 3\%$

Independent Linearity: $\pm 0.25\%$

Electrical Angle:

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

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

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

Power Rating:

10 Turn: 2 watts

5 Turn: 1 watt

3 Turn: .7 watt

Insulation Resistance: 100 Megohms@500VDC

Dielectric Strength: 1,000 VAC

Mechanical Specifications

Mechanical Rotation: $3600^\circ + 15^\circ - 0^\circ$

Torque: .7 oz. in. Max

Weight: 0.35 oz.

Rotational Life:

10 Turn: 2,000,000

5 Turn: 1,000,000

3 Turn: 600,000

Environmental Specifications

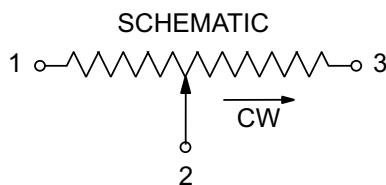
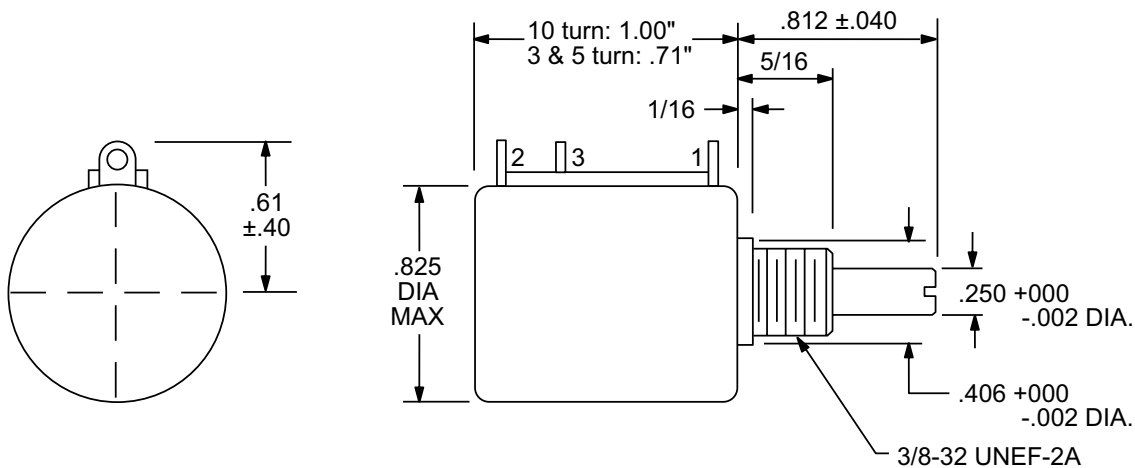
Operating Temperature: -55°C to $+105^\circ\text{C}$

Vibration: 10HZ to 2000HZ 15G

Shock: 50G 11ms

Moisture Resistance: 40°C 95%RH 240 Hours

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Ordering Information

Example Part Number: **MW20B-10-10K**

MW20	B	10	10K	SS
Model	Mount	Turns	Resistance	Option
MW20	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 HT = High Torque

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