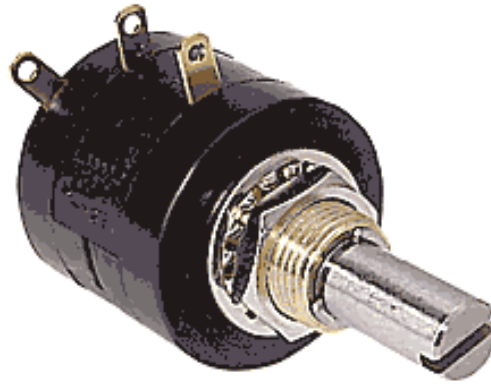


MW22 Wirewound Potentiometer - 7/8" Diameter



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

Series MW22 potentiometers feature 1, 3, 5, or 10-Turn Wirewound elements.

Features

- Wirewound Element
- Hi Temperature Plastic Housing
- Available as 1, 3, 5, or 10 turn models
- Stainless steel shaft, brass bushing
- Gold plated terminals
- Bushing mount or Servo mount

Optional Features:

- O-Ring Shaft Seal
- Sealed Body
- High Torque
- Slip Clutch

Electrical Specifications

Resistance Range: 100 to 100K ohms standard

Independent Linearity:

- 10 Turn: $\pm 0.25\%$
- 5 Turn: $\pm 0.3\%$
- 3 Turn: $\pm 0.5\%$
- 1 Turn: $\pm 0.5\%$

Resistance Tolerance: $\pm 5\%$

Electrical Angle:

- 10 Turn: $3600^\circ \pm 5^\circ$
- 5 Turn: $1800^\circ \pm 5^\circ$
- 3 Turn: $1080^\circ \pm 5^\circ$
- 1 Turn: $360^\circ \pm 5^\circ$

Power Rating:

- 10 Turn: 2 watts
- 5 Turn: 1 watt
- 3 Turn: 1 watt
- 1 Turn: 0.5 watt

Insulation Resistance: 1000 Megohms@500VDC

Dielectric Strength: 1,000 VAC

Mechanical Specifications

Mechanical Rotation:

- 10 Turn: $3600^\circ +10^\circ -0^\circ$
- 5 Turn: $1800^\circ +10^\circ -0^\circ$
- 3 Turn: $1080^\circ +10^\circ -0^\circ$
- 1 Turn: $360^\circ +10^\circ -0^\circ$

Starting Torque: 1.4 oz. in. Max

Weight: 0.8 oz.

Rotational Life: 1,000,000 revolutions

Environmental Specifications

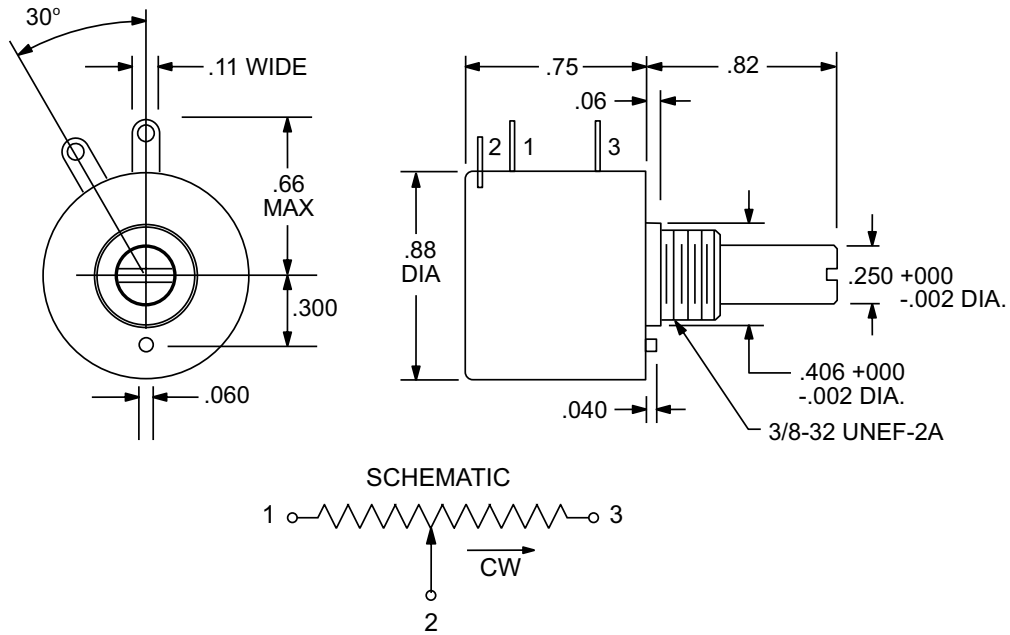
Operating Temperature: -55°C to $+105^\circ\text{C}$

Vibration: 10HZ to 2000HZ 15G

Shock: 50G 11ms

Moisture Resistance: 40°C 95%RH 120 Hours

MW22 Wirewound Potentiometer - 7/8" Diameter



Ordering Information

Example Part Number: **MW22B-10-10K**

MW22	B	10	10K	SS
Model	Mount	Turns	Resistance	Option
MW22	B = Bushing S = Servo	10 = 10 Turns 5 = 5 Turns 3 = 3 Turns 1 = Single Turn	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 SC = Slip Clutch

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