

# MH20 Multi-Turn Hybrid Potentiometer



For more information about this product, visit our website at: [www.potentiometers.com](http://www.potentiometers.com)

**Series MH20 potentiometers feature 3, 5, or 10-Turn Hybrid elements.**

## Features

- Conductive Plastic over a Wirewound Element
- Available as 3, 5, or 10 turn models
- Hi Temperature Plastic Housing.
- 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: 1K to 100K ohms standard

Resistance Tolerance:  $\pm 10\%$

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:

10 Turn:  $3600 +10^\circ -0^\circ$

5 Turn:  $1800 +10^\circ -0^\circ$

3 Turn:  $1080 +10^\circ -0^\circ$

Torque: .7 oz. in. Max

Weight:

10 Turn: 1.7 oz.

5 Turn: 1.4 oz.

3 Turn: 1.4 oz.

Rotational Life:

10 Turn: 10,000,000

5 Turn: 5,000,000

3 Turn: 5,000,000

## Environmental Specifications

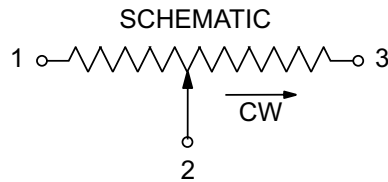
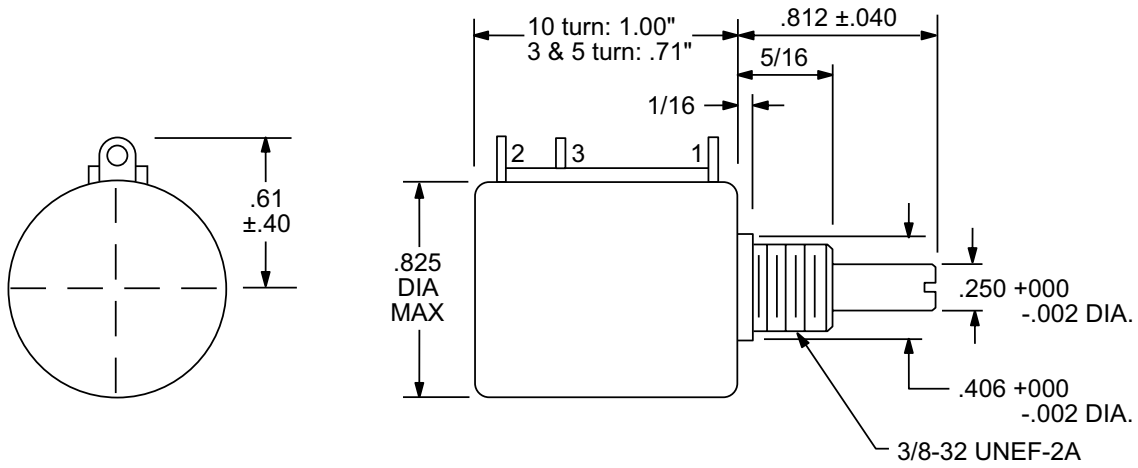
Operating Temperature:  $-55^\circ\text{C}$  to  $+105^\circ\text{C}$

Vibration: 10HZ to 2000HZ 15G

Shock: 50G 11ms

Moisture Resistance:  $40^\circ\text{C}$  95% RH 120 Hours

# MH20 Multi-Turn Hybrid Potentiometer



## Ordering Information

Example Part Number: **MH20B-10-10K**

MH20	B	10	10K	SS
Model	Mount	Turns	Resistance	Option
MH20	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	SS = O-Ring Shaft Seal SB = Sealed Body HT = High Torque SC = Slip Clutch

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