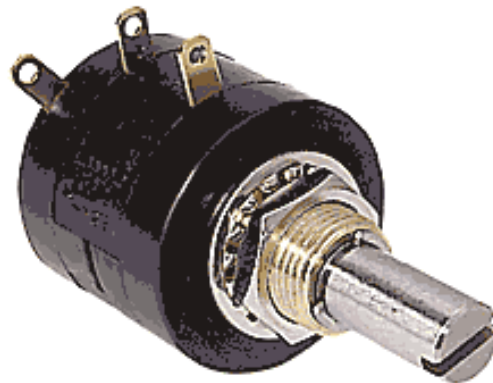


# MH22 Multi-Turn Hybrid Potentiometer



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

**Series MH22 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: 500 to 100K ohms standard

Resistance Tolerance:  $\pm 10\%$

Independent Linearity:

10 Turn:  $\pm .25\%$

5 Turn:  $\pm .35\%$

3 Turn:  $\pm .5\%$

Electrical Angle:

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

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

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

Power Rating:

10 Turn: 2 watts

5 Turn: 1 watt

3 Turn: 1 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:  $1080^\circ +10^\circ -0^\circ$

Starting Torque: 0.7 oz. in. Max

Weight: 0.8 oz.

Rotational Life:

10 Turn: 10,000,000 revolutions

5 Turn: 5,000,000 revolutions

3 Turn: 5,000,000 revolutions

## Environmental Specifications

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

Temperature Coefficient:  $\pm 100$  PPM/ $^\circ\text{C}$

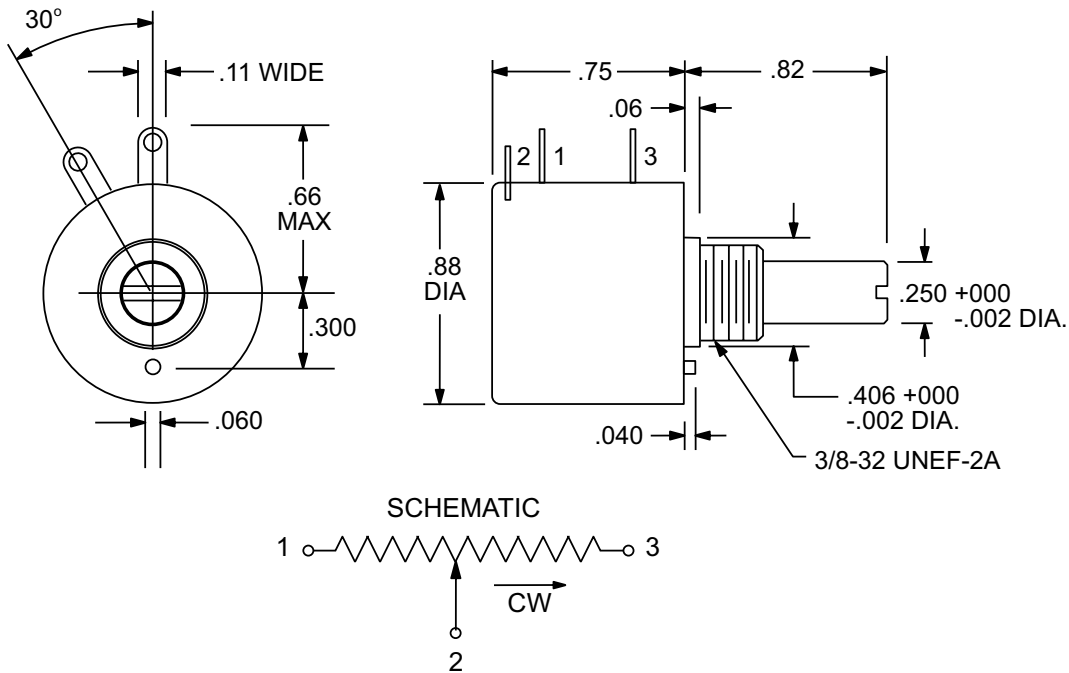
Vibration: 10HZ to 2,000HZ 15G

Shock: 50G 11ms

Moisture Resistance:

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

# MH22 Multi-Turn Hybrid Potentiometer



## Ordering Information

Example Part Number: **MH22B-10-10K**

MH22	B	10	10K	SS
<b>Model</b>	<b>Mount</b>	<b>Turns</b>	<b>Resistance</b>	<b>Option</b>
<b>MH22</b>	<b>B</b> = Bushing <b>S</b> = Servo	<b>10</b> = 10 Turns <b>5</b> = 5 Turns <b>3</b> = 3 Turns	<b>100</b> = 100 ohms <b>200</b> = 200 ohms <b>500</b> = 500 ohms <b>1K</b> = 1K ohms <b>2K</b> = 2K ohms <b>5K</b> = 5K ohms <b>10K</b> = 10K ohms <b>20K</b> = 20K ohms <b>50K</b> = 50K ohms <b>100K</b> = 100K ohms	<b>SS</b> = O-Ring Shaft Seal <b>SB</b> = Sealed Body <b>HT</b> = High Torque <b>SC</b> = Slip Clutch

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