

EUP1900/1950

1 watt - 7/8 inch diameter



*Series EUP1900 and EUP1950 potentiometers feature
Conductive Plastic elements for long life and stability*

Features

- Conductive Plastic resistive element
- Anodized aluminum housing
- Nickel plated brass bushing
- Gold plated brass terminals
- Stainless steel shaft

Electrical specifications

Resistance Range
1K, 5K, 10K ohms standard

Resistance Tolerance
 $\pm 20\%$

Resistance Taper
linear

Independent Linearity
 $\pm 2\%$

Resolution
Essentially Infinite

Temperature Coefficient
 ± 400 PPM/ $^{\circ}$ C

Electrical Rotation
EUP1950 - $340^{\circ} \pm 4^{\circ}$ (end stops)
EUP1900 - $340^{\circ} \pm 4^{\circ}$

Power Rating
1 watt

Insulation Resistance
1000 Megohms @ 500VDC

Dielectric Strength
750 VAC

Mechanical Specifications

Mechanical Rotation
EUP1950 - $340^{\circ} \pm 5^{\circ}$ (end stops)
EUP1900 - Continuous rotation

Starting Torque
0.3 oz. in.

Running Torque
0.25 oz. in.

Stop Strength (EUP120)
100 oz. in.

Bearing Type
Sleeve

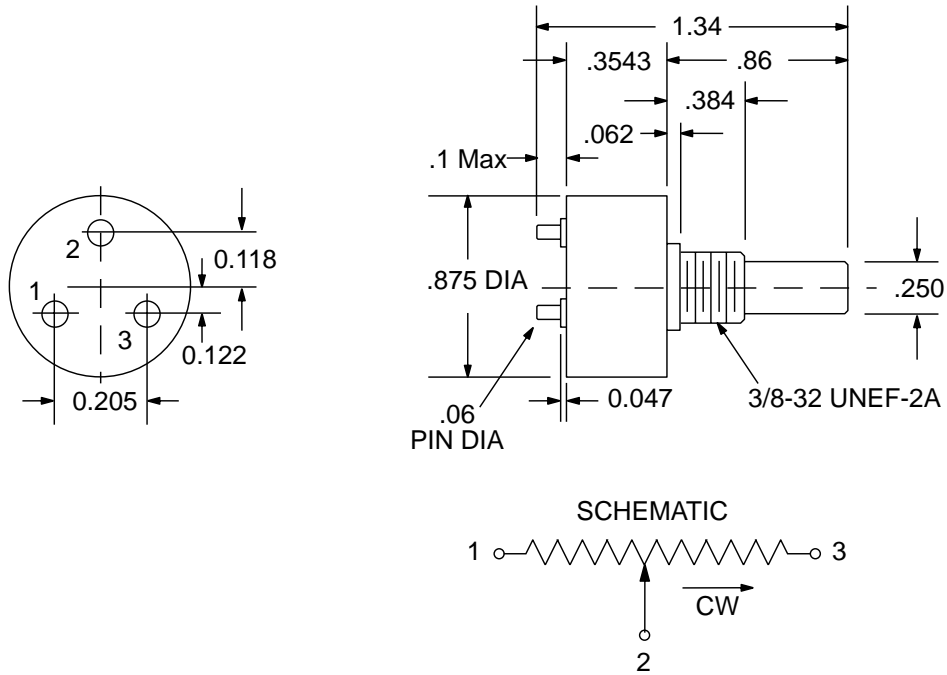
Rotational Life
2,000,000 Turns rated

Environmental Specifications

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

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Ordering Information

Example Part Number: **EUP1900-10K-IP**

EUP1900

Model

EUP1900 = Continuous rotation
EUP1950 = 340° rotation

10K

Resistance

1K = 1K ohms
5K = 5K ohms
10K = 10K ohms

IP

Options

R = Special resistance values
IP = IP65 protection rating
EA = Special electrical angles
ET = Special electrical tolerances
CT = Center Tap
2W = 2 Wipers

On-line Quotations are available at <http://www.potentiometers.com>



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