

EUP120/125

0.5 watt - 1/2 inch diameter



*Series EUP120 and EUP125 potentiometers feature
Conductive Plastic elements for long life and stability*

Features

- Conductive plastic element
- Thermoset plastic housing
- Nickel plated brass bushing
- Stainless steel shaft

Electrical specifications

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

Resistance Tolerance: $\pm 20\%$

Resistance Linearity: $\pm 5\%$

Electrical Rotation

EUP120 - $300^\circ \pm 5^\circ$ (end stops)

EUP125 - $300^\circ \pm 5^\circ$

Resolution: Essentially infinite

Power Rating: 0.5 watts

Insulation Resistance

1000 Megohms @ 500VDC

Dielectric Strength: 750 VAC

Wiper Current: 1 mA maximum

Mechanical Specifications

Mechanical Rotation

EUP120 - $320^\circ \pm 10^\circ$ (end stops)

EUP125 - Continuous rotation

Shaft Diameter: 1/8"

Bushing Diameter: 1/4"

Starting Torque

0.75 oz. in. maximum

Stop Strength: 50 oz. in. (EUP120)

Rotational Life: 100,000 Turns minimum

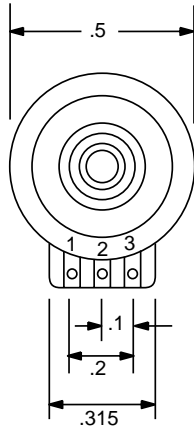
Environmental Specifications

Operating Temperature: -35 to $+105^\circ\text{C}$

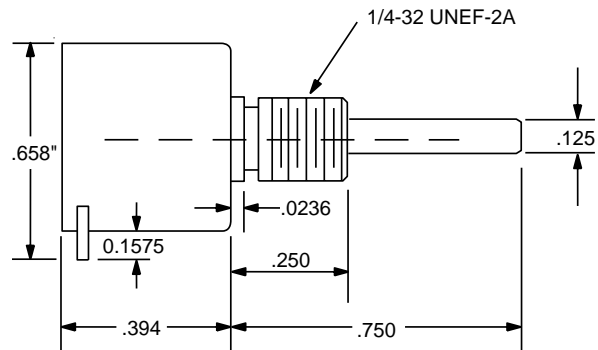
Temperature Coefficient: ± 400 PPM/ $^\circ\text{C}$

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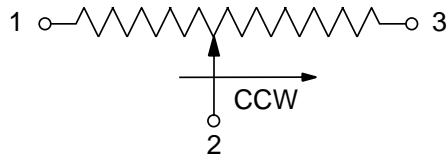
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All dimensions are in inches



SCHEMATIC



Ordering Information

Example Part Number: **EUP120-10K-IP**

EUP120

Model

EUP120 = 320° rotation
EUP125 = Continuous rotation

10K

Resistance

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

IP

Options

IP = IP64 protection rating
R = Special resistance values
EA = Special electrical angles
SH = Special shafts
OR = O-ring on shaft

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



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