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ELECTRONICS

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Jameco Part Number 768917



## Features

- Compact
- Sealed
- Long life
- Infinite resolution
- Free shaft rotation
- AC or DC
- Shaft options available
- Flexible wire leads
- Economical
- RoHS compliant\*

# 3046 Linear Motion Potentiometer

## Specifications†

Standard Electrical Travel  
 .....0.15, 0.25, 0.35 in.  
 (3.81, 6.35, 8.89 mm)

Standard Resistances  
 .....1K to 50K ohms (±20 %)

Independent Linearity .....±5 %

Resolution .....Infinite

Power Rating @ 70 °C (158 °F)  
 .....0.125 watt

Operating Temperature Range  
 .....-55 °C to +125 °C

Temperature Coefficient ....1000 PPM/°C

Insulation Resistance .....50 megohms  
 @ 500 VDC

Backlash .....Negligible

Shaft Actuating Force...2N max. @21 °C

Life.....500,000 cycles

Shock .....50 G for 7ms

Vibration .....20 G, 10-2K Hz

Marking .....Manufacturer's trademark,  
 resistance code, wiring diagram,  
 date code, manufacturer's model  
 number and style

Specifications are typical. Contact factory for special requirements.

† Specifications applicable from 5 % to 95 % of electrical travel.

## How to Order

**3046 L - 2 - 502**

Model \_\_\_\_\_

Style \_\_\_\_\_

Range (Travel) \_\_\_\_\_

1 = 0.15 " (3.81 mm)

2 = 0.25 " (6.35 mm)

3 = 0.35 " (8.89 mm)

Resistance Value \_\_\_\_\_

## Standard Resistance Table

Resistance (Ohms)	Resistance Code
1,000	102
2,500	252
5,000	502
10,000	103
20,000	203
50,000	503

## Product Dimensions

