



## 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

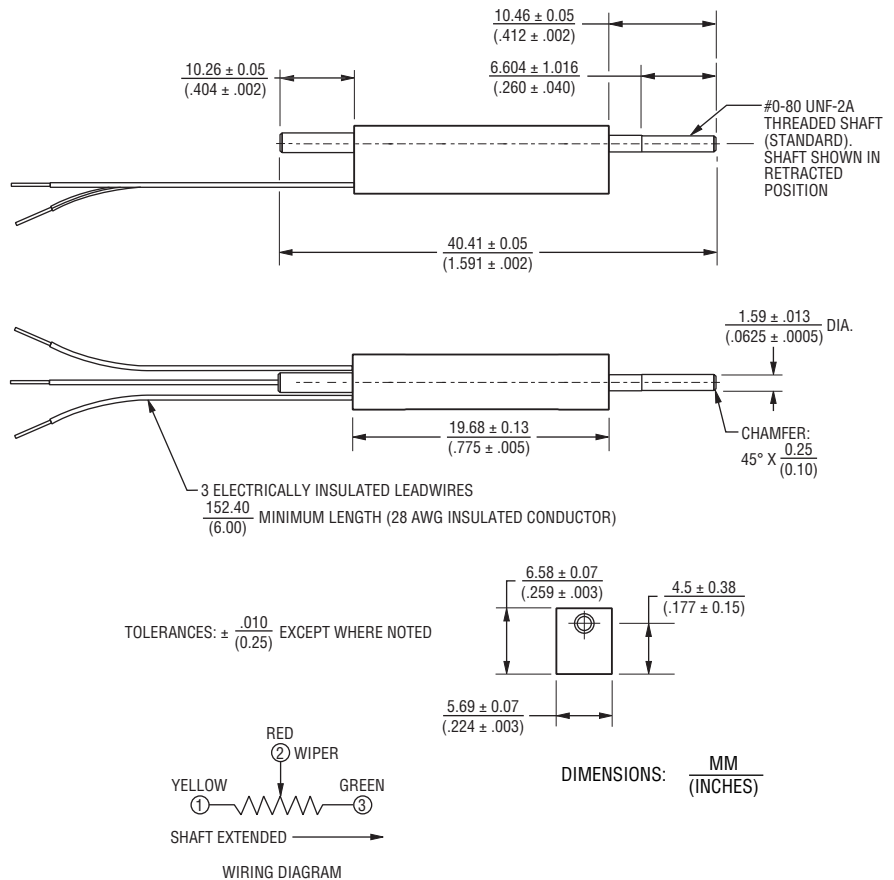
**3046 L - 2 - 502**

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



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**WARNING Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)**

\*RoHS Directive 2015/863, Mar 31, 2015 and Annex.  
 Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

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REV. 09/19

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