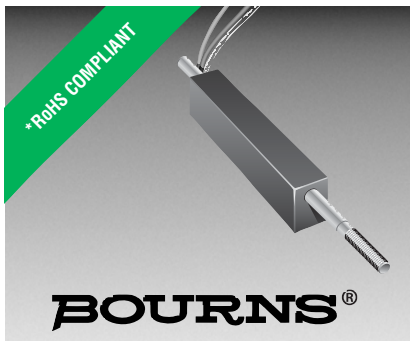




Features

- 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 ($\pm 20\%$)

Independent Linearity $\pm 5\%$

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 _____

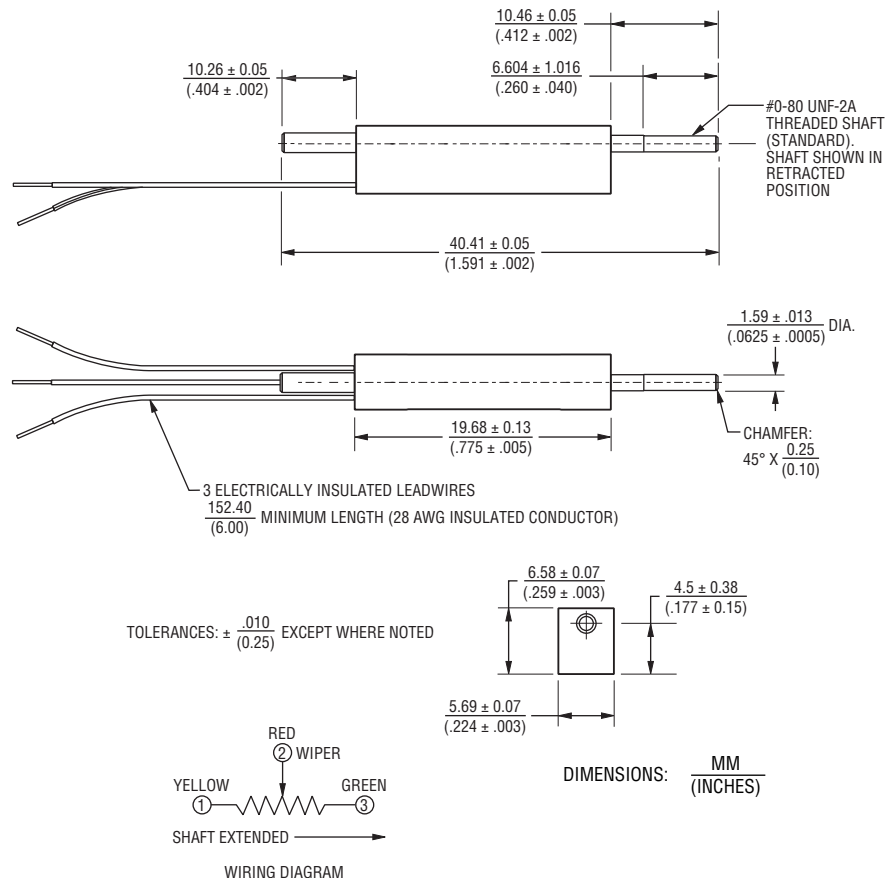
Range (Travel) _____
 1 = 0.15 " (3.81 mm)
 2 = 0.25 " (6.35 mm)
 3 = 0.35 " (8.89 mm)

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



REV. 04/15

*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011.

Specifications are subject to change without notice.

The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time. Users should verify actual device performance in their specific applications.

Mouser Electronics

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Bourns:

[3046L-3-502](#) [3046L-3-503](#) [3046L-3-203](#) [3046L-2-103](#) [3046L-2-102](#) [3046L-1-252](#) [3046L-1-203](#) [3046L-3-103](#)
[3046L-3-102](#) [3046L-1-102](#) [3046L-1-103](#) [3046L-2-252](#) [3046L-2-203](#) [3046L-1-502](#) [3046L-1-503](#) [3046L-3-252](#) [3046L-2-503](#) [3046L-2-502](#)