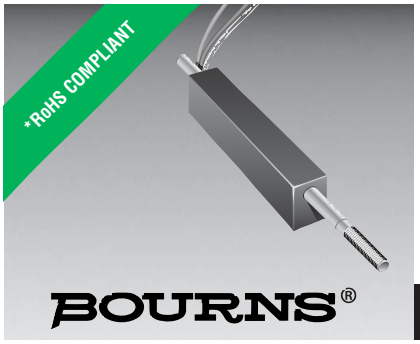


Features

- 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

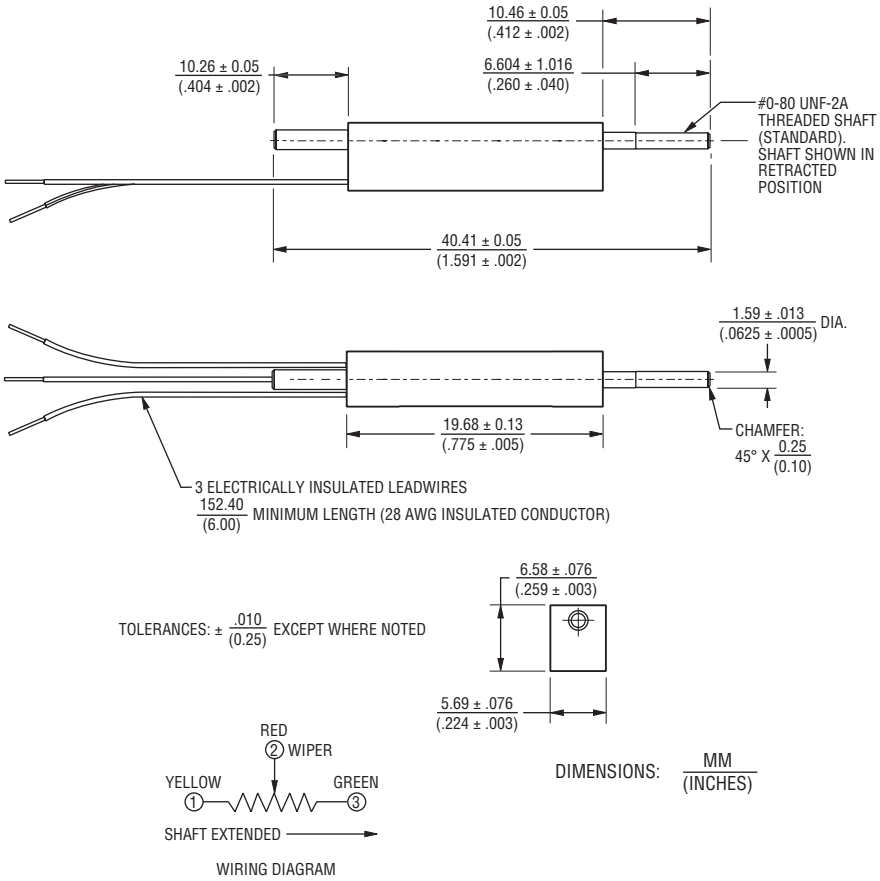
3046 L - 2 - 502

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



REV. 05/09

*RoHS Directive 2002/95/EC Jan 27 2003 including Annex.
Specifications are subject to change without notice.
Customers should verify actual device performance in their specific applications

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