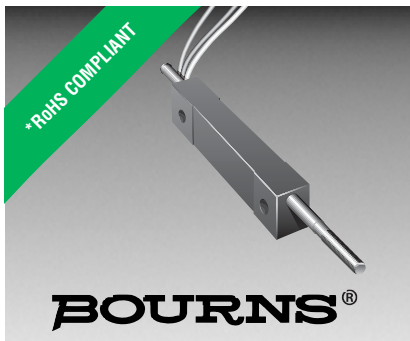




Features

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

3048 Linear Motion Potentiometer

Specifications†

Standard Electrical Travel

..... 0.2, 0.3, 0.4, 0.5 in.
(5.08, 7.62, 10.16, 12.70 mm)

Standard Resistances

..... 1K ohms to 50K ohms ($\pm 20\%$)

Independent Linearity $\pm 5\%$

Resolution Infinite

Power Rating @ 70 °C (158 °F)

Range 2, 3 0.12 watt

Range 4, 5 0.25 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 4 oz. max.

@ 70 °F

Life 500,000 cycles

Shock 50 G for 7 msec

Vibration 20 G, 10-2 kHz

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

3048 L - 2 - 502

Model

Style

Range (Travel)

2 = 0.2" (5.08 mm)

3 = 0.3" (7.62 mm)

4 = 0.4" (10.16 mm)

5 = 0.5" (12.70 mm)

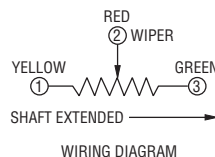
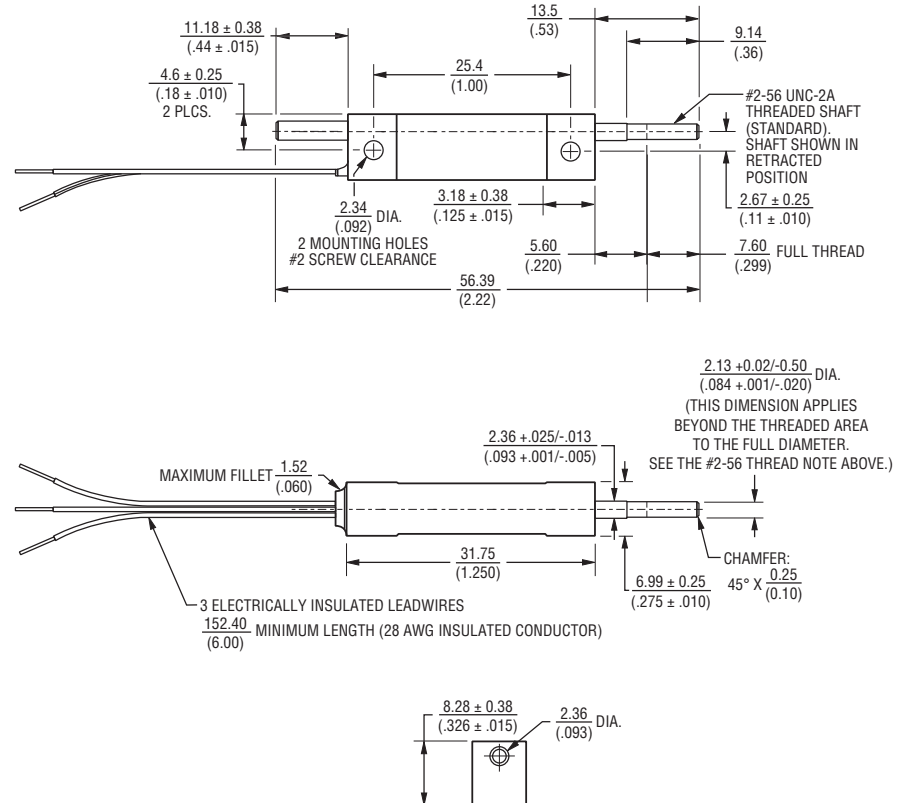
Resistance Value

Stainless steel shaft is available upon request.

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



TOLERANCES: $\pm \frac{.010}{(0.25)}$ EXCEPT WHERE NOTED

DIMENSIONS: $\frac{\text{MM}}{(\text{INCHES})}$



WARNING Cancer and Reproductive Harm

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. The products described herein and this document are subject to specific legal disclaimers as set forth on the last page of this document, and at www.bourns.com/docs/legal/disclaimer.pdf

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