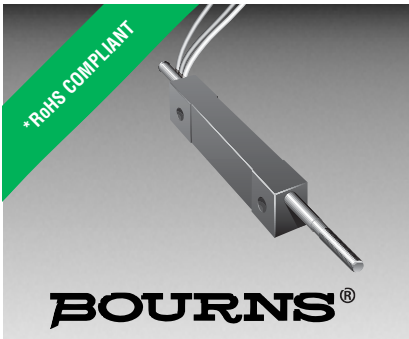




**THE DATASHEET OF
3048L-5-502**





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 (± 20 %) |
| Independent Linearity | ± 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

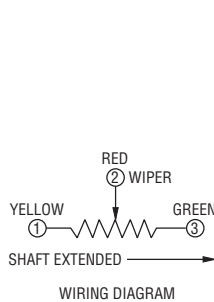
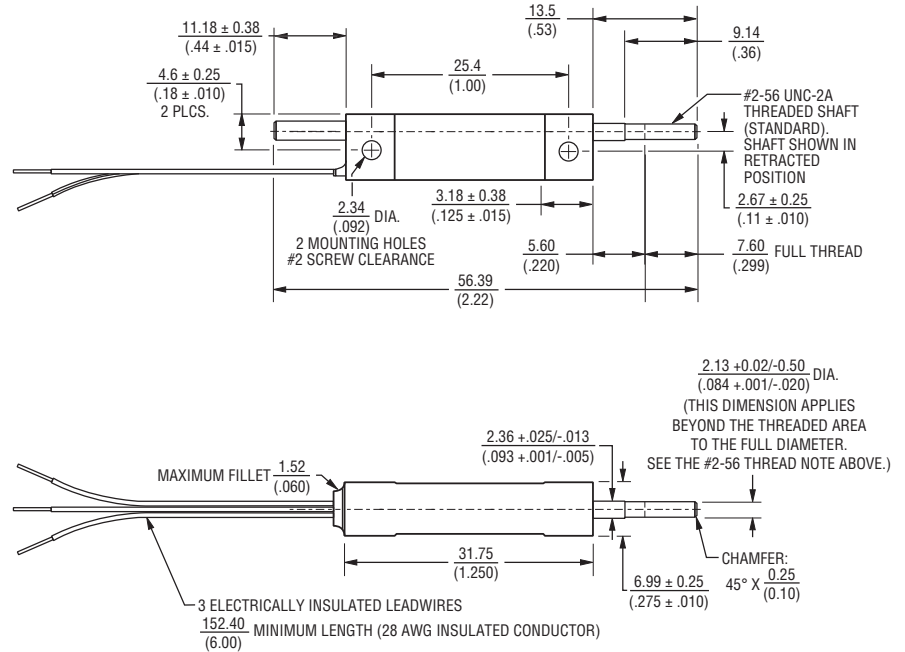
| | |
|---------------------|-------|
| Model | _____ |
| Style | _____ |
| Range (Travel) | _____ |
| 2 = 0.2" (5.08 mm) | |
| 3 = 0.3" (7.62 mm) | |
| 4 = 0.4" (10.16 mm) | |
| 5 = 0.5" (12.70 mm) | |
| Resistance Value | _____ |

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: ± .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.
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