

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

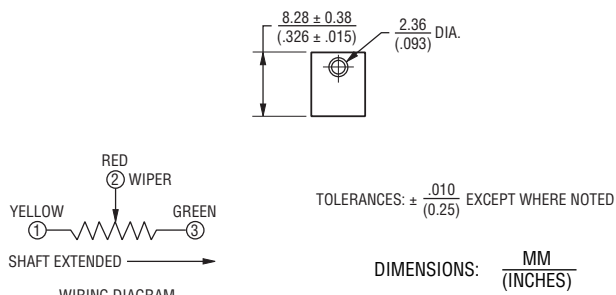
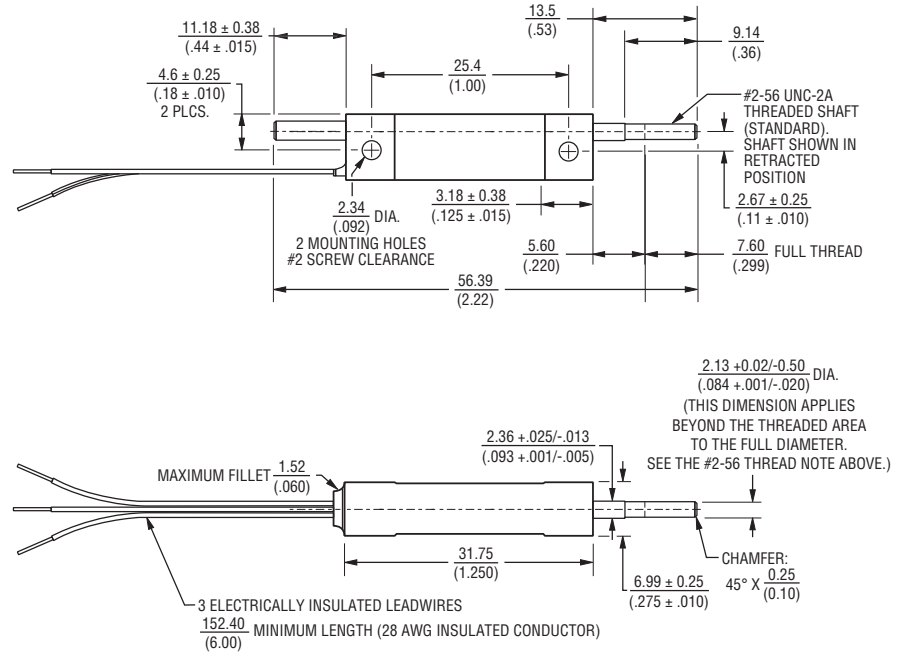
Model	_____
Style	_____
Range (Travel)	_____
2 = 0.2" (5.08 mm)	
3 = 0.3" (7.62 mm)	
4 = 0.4" (10.16 mm)	
5 = 0.5" (12.70 mm)	
Resistance Value	_____

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



WARNING Cancer and Reproductive Harm
www.P65Warnings.ca.gov

*RoHS Directive 2015/863, Mar 31, 2015 and Annex.
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