

## 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

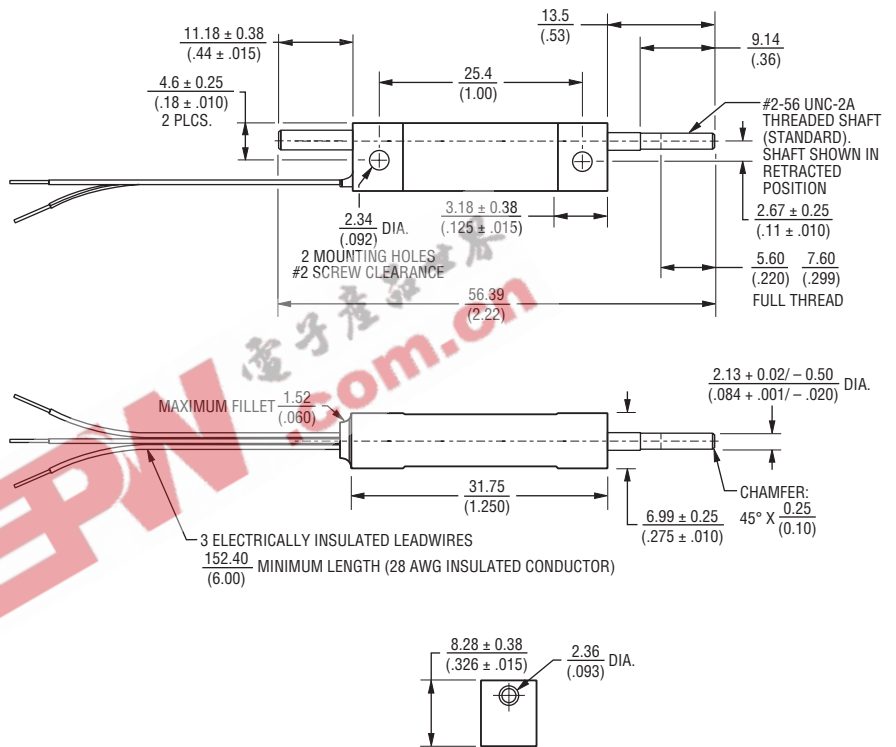
## Specifications†

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

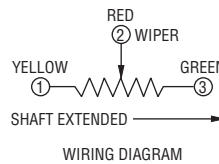
Specifications are typical. Contact factory for special requirements.

† Specifications applicable from 5 % to 95 % of electrical travel.

## Product Dimensions



TOLERANCES: ± .010 (0.25) EXCEPT WHERE NOTED



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

## How to Order

Model	3048 L - 2 - 502
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	

## 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