

LWR10 Wirewound Linear Potentiometer



For more information about this product, visit our website at: www.potentiometers.com

LWR10 linear potentiometers feature Wirewound resistive elements.

Features

- Wirewound resistive element
- Anodized Aluminum Housing and Bushing
- Stroke Length: 30, 50, 100mm

Electrical Specifications

Resistance Range:
15 to 40K ohms standard
See chart below

Resistance Tolerance: $\pm 5\%$

Insulation Resistance: 100 Megohms @ 500VDC

Dielectric Strength: 500VAC

Linearity: $\pm 0.5\%$

Mechanical Specifications

Housing: Anodized Aluminum
Life: 10,000,000 strokes

Environmental Specifications

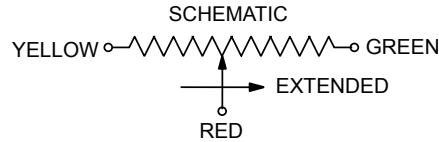
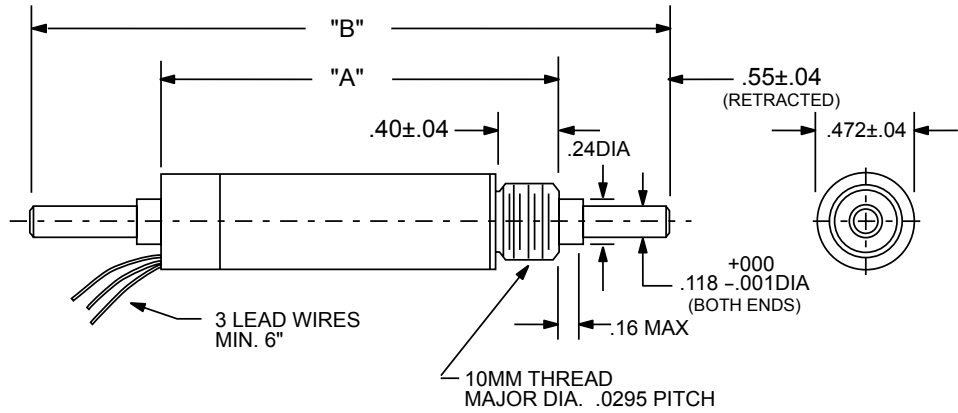
Operating Temp: -30°C to 105°C
Temp Coefficient: $\pm 400\text{PPM}/^{\circ}\text{C}$
Vibration: 10Hz to 2,000Hz - 15G
Moisture Resistance: -40°C 85%RH 120 Hrs
Shock: 50G 11mS

| Model | Elec. Stroke | Mech. Stroke | Power Watts | Resistance Range |
|-----------|--------------|--------------|-------------|------------------|
| LWR10-30 | 1.181" | 1.260" | 0.5 | 15 - 10K |
| LWR10-50 | 1.968" | 2.047" | 0.75 | 50 - 20K |
| LWR10-100 | 3.937" | 4.015" | 1 | 50 - 40K |

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DIMENSIONS

| | A | B |
|-----------|-------|--------|
| LWR10-30 | 3.346 | 5.708 |
| LWR10-50 | 4.134 | 7.283 |
| LWR10-100 | 6.102 | 11.220 |



Ordering Information

Example Part Number: **LWR10-P-50-10K**

| LWR10 | P | 50 | 10K | SB |
|--------------|----------------------------------|---------------------------------------|--|------------------|
| Model | Shaft Style | Stroke Length | Resistance | Options |
| LWR10 | P = Plain T = Threaded #10-32 | 30 = 30mm 50 = 50mm 100 = 100mm | 100 = 100 ohms 200 = 200 ohms 500 = 500 ohms 1K = 1K ohms 2K = 2K ohms 5K = 5K ohms 10K = 10K ohms 20K = 20K ohms | SB = Sealed Body |

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