

# LWR20 Wirewound Linear Potentiometer



For more information about this product, visit our website at: [www.potentiometers.com](http://www.potentiometers.com)

*Series LWR20 linear potentiometers feature Wirewound Elements*

## Features

- Wirewound resistive element
- Stroke Length: 50, 100, 200mm

## Electrical Specifications

Resistance Range: 0 to 50K ohms standard  
See chart below  
Resistance Tolerance:  $\pm 5\%$   
Noise: 100 ohm max  
Insulation Resistance: 100 Megohms @ 500VDC  
Dielectric Strength: 900VDC

## Mechanical Specifications

Stop strength: 10 lbs min  
Life: 2,000,000 strokes

## Environmental Specifications

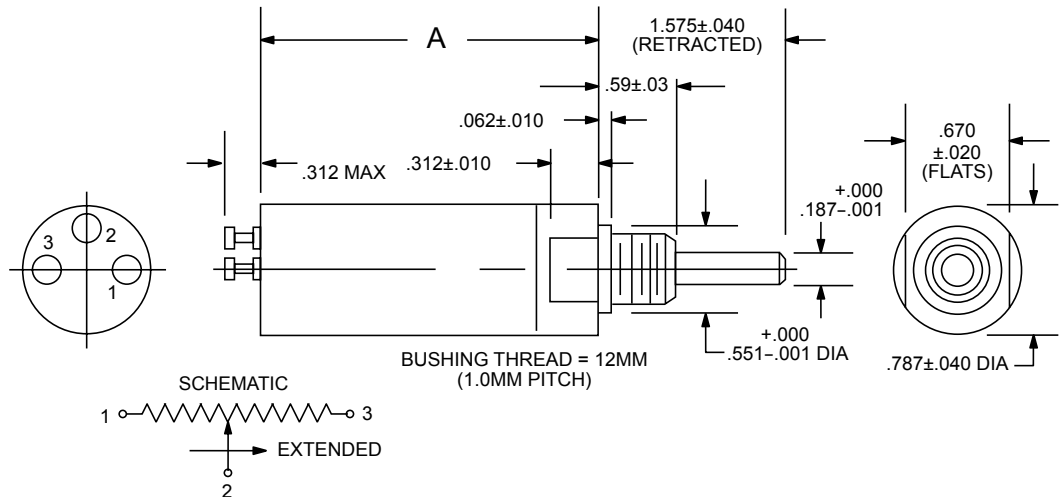
Operating Temp:  $-30^{\circ}\text{C}$  to  $105^{\circ}\text{C}$   
Temp Coefficient:  $\pm 400\text{PPM}/^{\circ}\text{C}$   
Vibration: 10Hz to 2,000Hz - 15G  
Moisture Resistance:  $-40^{\circ}\text{C}$  85%RH 120 Hrs  
Shock: 50G 11mS

Model	Elec. Stroke	Mech. Stroke	Linearity	Resistance Range	Weight
LWR20-50	1.968	2.087	$\pm 0.7\%$	25 - 20K	.30lb
LWR20-100	3.937	4.055	$\pm 0.5\%$	50 - 20K	.35lb
LWR20-200	7.784	7.992	$\pm 0.5\%$	100 - 80K	.70lb

# LWR20 Wirewound Linear Potentiometer

**DIMENSIONS**

	<b>A</b>
LWR20-15	3.94
LWR20-50	5.315
LWR20-100	7.283
LWR20-152	9.336
LWR20-200	11.220



## Ordering Information

Example Part Number: **LWR20-25-10K**

<b>LWR20</b>	<b>100</b>	<b>10K</b>	<b>SB</b>
<b>Model</b>	<b>Stroke Length</b>	<b>Resistance</b>	<b>Options</b>
<b>LWR20</b>	<b>50</b> = 50mm <b>100</b> = 100mm <b>200</b> = 200mm	<b>10</b> = 10 ohms <b>25</b> = 25ohms <b>50</b> = 50 ohms <b>200</b> = 200 ohms <b>500</b> = 500 ohms <b>1K</b> = 1K ohms <b>2K</b> = 2K ohms <b>5K</b> = 5K ohms <b>10K</b> = 10K ohms <b>20K</b> = 20K ohms <b>50K</b> = 50K ohms	<b>SB</b> = Sealed Body

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