

# Potentiometer

## Wire-Wound Potentionmeter Series

### L-KLS4-3590 Wire-Wound Potentionmeter Series

#### Electrical Characteristics

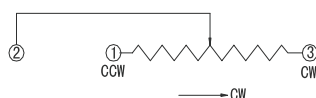
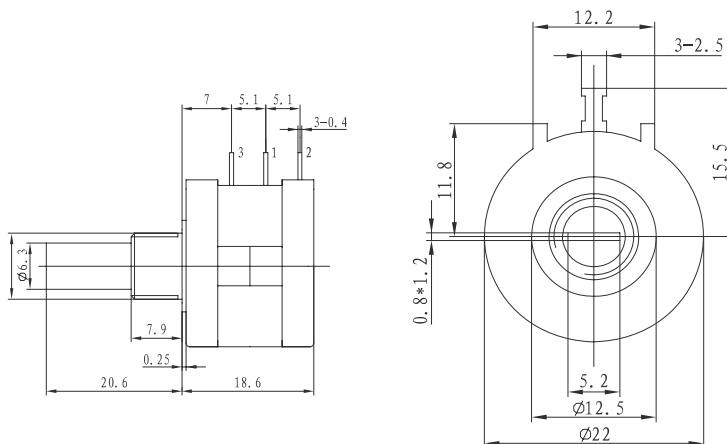
Standard Resistance Range: 100Ω - 100KΩ  
Resistance Tolerance:  $\pm 5\%$   
Independent Linearity:  $\pm 0.5\%$   
Effective Electrical Travel:  $\geq 3600^\circ \pm 10^\circ$   
Treninal Resistance:  $\leq 0.2\%$  or  $5\Omega$   
Noise:  $\leq 3\% R$  or  $5\Omega$   
Insulation Resistance:  $R \geq 1G\Omega$   
Withstand Voltage: 101.3kPa 710V, 8.5kPa 470V

#### Environment Characteristics

Rated Power (Max Voltage: 315V):  $+70^\circ C$  2W,  $+125^\circ C$  0W  
Operating Temperature:  $-55^\circ C \sim +125^\circ C$   
Temperature Coefficient:  $\pm 100ppm/^\circ C$   
Temperature Variation:  $\Delta R \leq \pm 2\% R$ ,  $\Delta(Uab/Uac) \leq \pm 1\%$   
Vibration:  $390m/s^2$ , 4000 times  $\Delta R \leq \pm 1\% R$   
Collision: 10 ~ 500Hz, 0.75mm, or  $98m/s^2$ , 6h  
 $\Delta R \leq \pm 1\% R$ ,  $\Delta(Uab/Uac) \leq \pm 2\%$   
Climate Category:  $\Delta R \leq \pm 3\% R$ ,  $R_1 \geq 100M\Omega$   
Electrical Endurance at  $70^\circ C$ : 2W, 1000h,  $R \leq \pm 3\% R$   
Mechanical Endurance: 10000cycles,  $\Delta R \leq \pm 3\% R$   
Steady Damp-Heat:  $\Delta R \leq \pm 3\% R$ ,  $R_1 \geq 100M\Omega$

#### Physical characteristics

Total mechanical travel:  $\geq 3600 \pm 10^\circ$   
Staring torque:  $\leq 36mN \cdot m$   
Standard packaging: 10PCS/BOX, 20PCS/BOX



Standard Resistance Table

| Resistance (Ohms) | Resistance Code |
|-------------------|-----------------|
| 100               | 101             |
| 200               | 201             |
| 500               | 501             |
| 1,000             | 102             |
| 2,000             | 202             |
| 5,000             | 502             |
| 10,000            | 103             |
| 20,000            | 203             |
| 50,000            | 503             |
| 100,000           | 104             |

## ORDER INFORMATION

Product No. **L-KLS4-3590 S-502-3**

Pos. No. \_\_\_\_\_  
Wire-Wound Potentionmeters Series \_\_\_\_\_  
1-Aluminum shaft 2-Copper shaft 3.Steel shaft  
502:Resistance Code  
S: Style