

Potentiometer

Wire-Wound Potentionmeter Series

KLS4-3590 Wire-Wound Potentionmeter Series

Electrical Characteristics

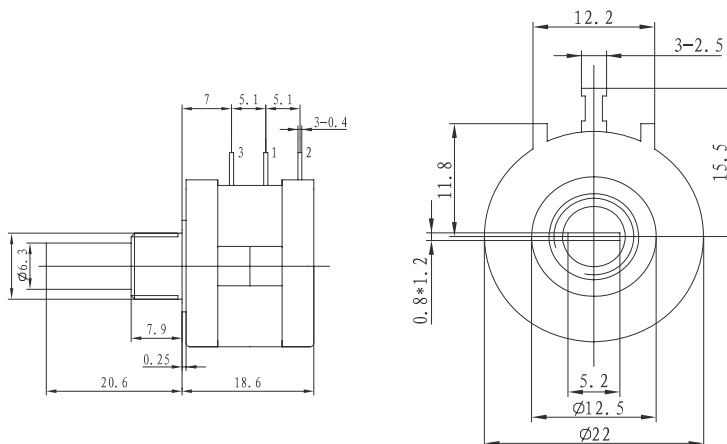
Standard Resistance Range: 100Ω - 100KΩ
Resistance Tolerance: $\pm 5\%$
Independent Linearity: $\pm 0.5\%$
Effective Electrical Travel: $\geq 3600^\circ \pm 10^\circ$
Treninal Resistance: $\leq 0.2\%$ or 5Ω
Noise: $\leq 3\% R$ or 5Ω
Insulation Resistance: $R \geq 1G\Omega$
Withstand Voltage: 101.3kPa 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: $\Delta R \leq \pm 3\% R$, $R_1 \geq 100M\Omega$

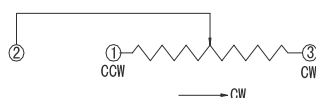
Physical characteristics

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.: KLS4-3590 S-103-1

Pos. No. _____ 1-Aluminum shaft 2-Copper shaft
Wire-Wound Potentionmeters Series _____ 103:Resistance Code
S: Style