

Trimmer Potentiometer

KLS4-WI0812 Series

IV

FEATURES

This specification applies to the variable resistors for electronic equipment Polyester substrate.

- *Long life model for low cost control pot applications
- *Since a variety of types are available, they can be used for a wide range of products
- *Special tapers
- *Low torque option

MECHANICAL SPECIFICATIONS

rotation angle: $220^\circ \pm 20^\circ$

rotation torque :4-35mN. M

ELECTRICAL SPECIFICATIONS

Range of nominal resistance: 100 Ω -1M Ω

Resistance taper: B

Resistance tolerance: $\pm 20\%$

Rotational noise: 5% R

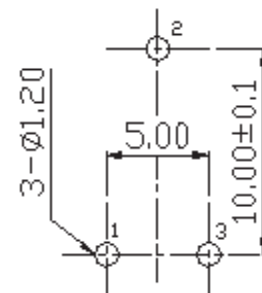
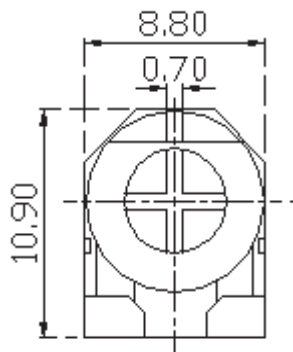
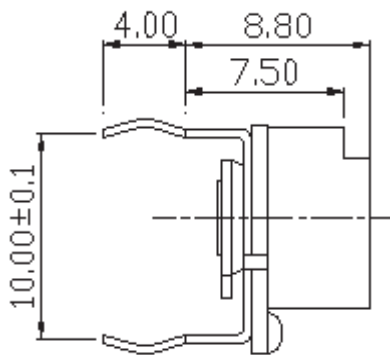
Residual resistance: $R < 1\text{Kohm}$, Max 20ohm, $R \geq 1\text{Kohm}$, Max 2% R

Rated power: 0.3 W

Max. Operating voltage: DC100V

Mechanical endurance: 100 cycles

Operating temperature: $-25^\circ\text{C} \sim +70^\circ\text{C}$



ORDER INFORMATION

Product No.: KLS4-WI0812 -103

Pos. No.

8mm Trimmer potentiometer Series

Value: 103- 10000 Ω

Trimmer Potentiometer Series

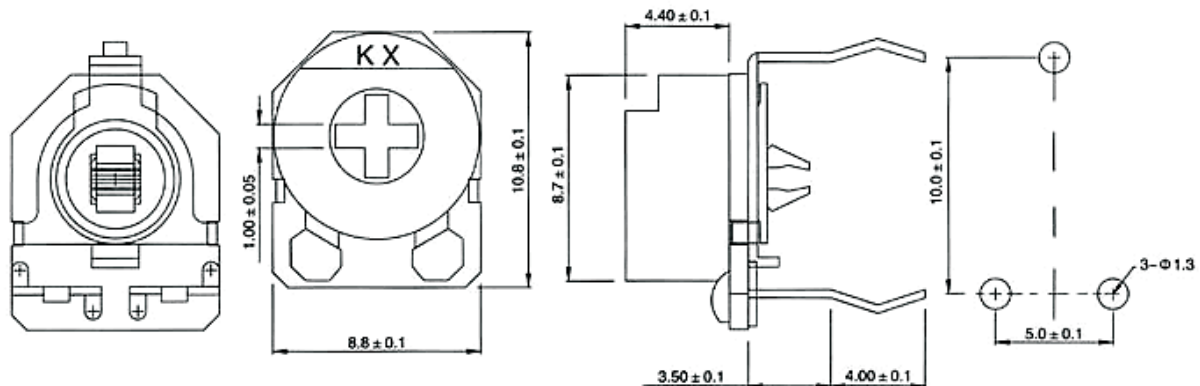
KLS4-WI0812 Trimmer Potentiometer 10K Ω , Precision $\pm 20\%$

General Features

- This specification is applied to potentiometers used for electronic equipment.
- Operating temperature : $-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$
- Long life model, low cost
- Since a variety of types are available, they can be used for a wide range of products
- Special tapers
- Low torque option



OUTLINE DRAWING AND MOUNTING HOLE DETAIL



CHARACTERISTICS

	ITEM	SPECIFICATION
Electrical Characteristics	Max Power Rating	0.25W(at 70°C)
	Max Working Voltage	250V
	Resistance Range	100 $\Omega \sim 2\text{M}\Omega$
	Allow Resistance Tolerance	$\pm 20\%$ (1M Ω or more 30%)
	Contact resistance	3%
	Residual Resistance	R $\geq 1\text{K}\Omega$: Max 10%; R $> 1\text{K}\Omega$: Max 1% R
	Resistance Law	Curve
	Slide Noise	80mv
Mechanical Characteristics	Rotational Torque	3 $\sim 30\text{mN}\cdot\text{m}$
	Total Rotational Angle	$240^{\circ} \pm 10^{\circ}$
	Mechanical Endurance	50cycles Resistance Value $\pm 10\%$
	Shaft Stopper Strength	250 mN.m
Reliability Specification	Temperature Characteristics	$\pm 3\%$ 70°C 5 hours
	Temperature Coefficient	$\pm 250\text{PPm}/^{\circ}\text{C}$; $\pm 100\text{PPm}/^{\circ}\text{C}$
	Humidity Characteristics	$\pm 3\%$, 40°C , 90-95% RH without load; $\pm 70\%$
	Resistance to Soldering Heat	Pass 350°C 3sec or 260°C 10sec; without any contact
	Working Temperature	$-40^{\circ}\text{C} \sim 125^{\circ}\text{C}$
	Terminal Strength	$> 30\text{mN}\cdot\text{m}$
	Temperature Cycle	$\pm 5\%$, without load: $25^{\circ}\text{C} \sim 40^{\circ}\text{C}$; $25^{\circ}\text{C} \sim 125^{\circ}\text{C} \pm 7\%$

ORDER INFORMATION

Product No.: KLS4-WI0812 -10

Pos. No.

8mm Trimmer potentiometer Series

Resistance Range: 100 $\Omega \sim 2\text{M}\Omega$