

# Product Specification

Number: L-KLS4-CA9-L-H2.5-223-A-2020  
Name: TRIMMER POTENTIOMETERS  
Specification: \_\_\_\_\_  
Customer: A05  
Date: 2023-09-07

Customer Signature:



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Compile	Check	Review	Approval
Jenny	Jack.C		

## CA9 微调合成碳膜电位器

(CA9 TRIMMER POTENTIOMETERS)

### 一般事项

### General

此规格适用于电子设备之可变电阻器.

-This specification is applied to potentiometers used for electronic equipment.

使用温度范围:  $-25^{\circ}\text{C} \sim +70^{\circ}\text{C}$

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

### 特点

### Features

长寿命, 低成本

-Carbon resistive element.

优良的防尘结构, 没有任何开口部分

-Dust proof enclosure.

阻值线性多样化

-Polyester substrate.

力矩小

-Also upon request:

旋转 50%处有定位或整个旋转行程带定位

◇ Wiper positioned at 50% or fully clockwise.

◇ Supplied in magazines for automatic insertion.

◇ Long life model for low cost control pot applications

◇ self extinguishable plastic UL 94V-0

◇ cut track option

◇ special tapers

◇ mechanical detents

◇ low & extra low torque versions

◇ special switch option

# NINGBO KLS ELECTRONIC CO.,LTD.

## 性能说明 CHARACTERISTICS

### 电气性能 ELECTRICAL SPECIFICATIONS

阻值范围 Range of valuse	$100\ \Omega \leq R_n \leq 5M\ \Omega$
阻值误差 Tolerance	$100\ \Omega \leq R_n \leq 1M\ \Omega \dots\dots\dots \pm 20\%$ $1M\ \Omega < R_n \leq 5M\ \Omega \dots\dots\dots \pm 30\%$
最大电压 Max. voltage	200V DC (lin), 100V DC (no lin)
额定功率 Rated power	0.15W (lin), 0.07W (no lin)
线性 Taper	Lin(A), Log(B), Alog(C)
残留电阻 Residual resistance	$\leq 5\% R_n (3\ \Omega \text{ min})$
平滑性 Equivalent noise resistance	$\leq 3\% R_n (3\ \Omega \text{ min})$

### 机械性能 MECHANICAL SPECIFICATIONS

机械旋转角度 Mechanical rotation angle	$240^\circ \pm 5^\circ$
电气旋转角度 Electrical rotation angle	$220^\circ \pm 20^\circ$
旋转力矩 Torque	0.4~2Ncm
止档力矩 Stop torque	>5Ncm
转子最大拉拔力 Max. push/pull on rotor	40N
耐久性 endurance	Long life 10,000cycles
焊接 Soldering	温度 $T \leq 260^\circ\text{C} \pm 5^\circ\text{C}$ , 时间 $t \leq 5\text{s}$

## 外形图及安装尺寸 DRAWING AND MOUNTING

H= Horizontall adjust / Vertical mount 立式—水平调节

H= 2.5

