

# NINGBO KLS ELECTRONIC CO.,LTD

## L-KLS4-CA9-L-H5-A220R

### (CA9 MM 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.

-Dust proof enclosure.

优良的防尘结构, 没有任何开口部分

-Polyester substrate.

阻值线性多样化

-Also upon request:

◇ Wiper positioned at 50% or fully clockwise.

◇ Supplied in magazines for automatic insertion.

力矩小

◇ Long life model for low cost control pot applications

◇ self extinguishable plastic UL 94V-0

旋转 50%处有定位或整个旋转行程带定位

◇ cut track option

◇ special tapers

品种规格多, 适用性强

◇ mechanical detents

◇ low & extra low torque versions

◇ special switch option

#### 性能说明 CHARACTERISTICS

#### 电气性能 ELECTRICAL SPECIFICATIONS

阻值范围 Range of valuse

$100\ \Omega \leq R_n \leq 5\text{M}\ \Omega$

阻值误差 Tolerance

$100\ \Omega \leq R_n \leq 1\text{M}\ \Omega \dots\dots\dots \pm 20\%$

$1\text{M}\ \Omega < R_n \leq 5\text{M}\ \Omega \dots\dots\dots \pm 30\%$

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

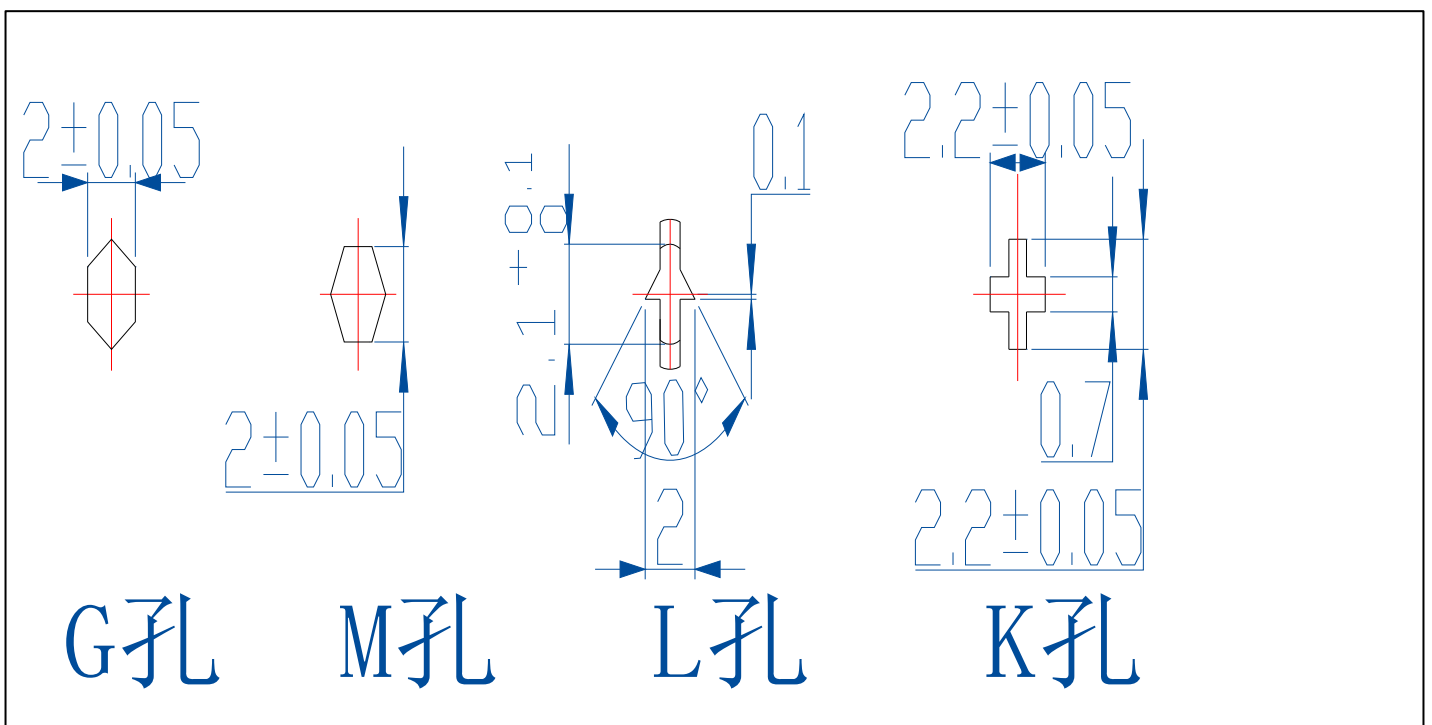
$\leq 3\% R_n (3\ \Omega \text{ min})$

## 机械性能 MECHANICAL SPECIFICATIONS

机械旋转角度 Mechanical rotation angle	235° ±5°
电气旋转角度 Electrical rotation angle	220° ±20°
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≤265°C, 时间 t≤5s

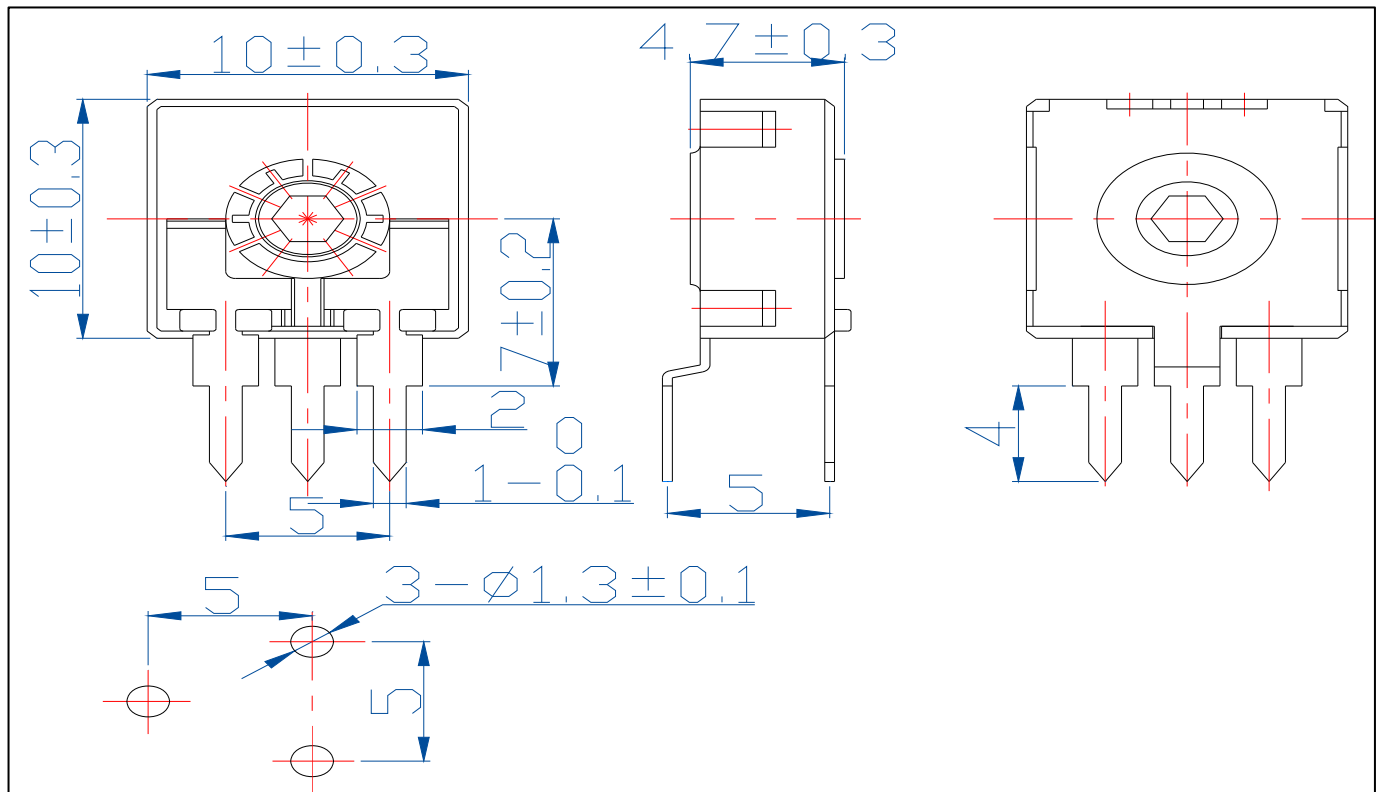
## 外形图及安装尺寸 DRAWING AND MOUNTING

### ROTORS(转子形式)



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

H(5)



### Circuit 电路图

