

NINGBO KLS ELECTRONIC CO.,LTD

L-KLS4-CA9-L-V10-103-A-2020
(CA9 10MM TRIMMER POTENTIOMETERS)

Application

appliances, heating and air conditioning

equipment and thermostats, measurement and test
equipment, multimedia.

SPECIFICATIONS(standard features)

-This potentiometer is applied to electronic regulation

ELECTRICAL SPECIFICATIONS

Range of resistance values	10K
A (Lin)	$100\ \Omega \leq R_n \leq 5M\ \Omega$
B(log), C(antilog)	$1K\ \Omega \leq R_n \leq 2.2M\ \Omega$
Tolerance	$100\ \Omega \leq R_n \leq 1M\ \Omega \dots \pm 20\%$ $1M\ \Omega < R_n \leq 5M\ \Omega \dots \pm 30\%$
耐电压 Max voltage at 40 °C	
Lin(A)	DC200V
No Lin(B,C)	DC150V
Maximum power dissipation at 40 °C	
Lin(A)	0.15W
No Lin(B,C)	0.10W
Variation laws	Lin(A)
Residual resistance	$\leq 5\% R_n (2\ \Omega \text{ min})$
Equivalent noise resistance	$\leq 3\% R_n (3\ \Omega \text{ min})$
Operating temperature	-25°C ~ +70°C
Soldering temperature and time	temperature $\leq 265^\circ\text{C} \pm 5^\circ\text{C}$ time $\leq 2\text{second}$

MECHANICAL SPECIFICATIONS

Resistive element	Carbon technology
Mechanical rotation angle	240° ± 5°

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Electrical rotation angle	$220^{\circ} \pm 20^{\circ}$
Wiper position	Middle position: $50\% \pm 15^{\circ}$
Max. push/pull on rotor	40N
Wiper torque	$< 2\text{Ncm}$ (0.4...3.5 Ncm for pots. with detents)
Stop torque	$\leq 5\text{Ncm}$
Mechanical life	1000cycles (up to 10,000 cycles for pots. With detents)

外形图及安装尺寸 OUTLINE DRAWING AND MOUNTING HOLE DETAIL

