

Metal Oxide Film Fixed Resistors Series

KLS6-Metal Oxide Film Fixed Resistors Series

Electrical Performance

Item	Performance requirement	Test methods
Temperature Coefficient	$-350\text{ppm}/^{\circ}\text{C} \leq a \leq +350\text{ppm}/^{\circ}\text{C}$	JIS5202-5.2 -55°C to +155°C T. C. R=(R2-R1) × 10 ⁶ / R1 × (T2-T1) (PPM/°C) R1:Resistance value at room temperature(T1); R2:Resistance value at room temperature+100°C (T2)
Short Time Overload	$\Delta R \leq \pm (1\% R0 + 0.05 \Omega)$	JIS-C-5202- 5.5 2.5 time RCWV for 5 seconds
Solderability	The area of soldering is over 95%	JIS-C-5202-6.5 Soldering Stove temperature:235±5°C Dwell time in soldering stove:3±0.5sec
Pulse Overload	$\Delta R \leq \pm (2\% R0 + 0.05 \Omega)$	JIS-C-5202- 5.8 4 times RCWV 10000 cycles (1 sec. on, 25 sec. off)
Load Life in Humidity	$\Delta R \leq \pm (5\% R0 + 0.1 \Omega)$	JIS-C-5202- 7.9 40±2° C, 90~95% RH at RCWV for 1000 hrs. (1.5 hrs. on, 0.5 hrs. off)
Load Life	$\Delta R \leq \pm (5\% R0 + 0.1 \Omega)$	JIS-C-5202-7.10 70° Cat RCWV for 1000 hrs. (1.5 hrs. on, 0.5 hrs. off)
Nonflammability	No visible flame	SJ 3272-4.2
Temperature Cycling	$\Delta R \leq \pm (1\% R0 + 0.05 \Omega)$	JIS-C-5202- 7.4 -65° C→room temp.→150° C→room temp. for 5 cycles
Resistance to Soldering Heat	$\Delta R \leq \pm (1\%R0 + 0.05 \Omega)$	JIS-C-5202- 6.4 350° C±10° C for 3±0.5 seconds