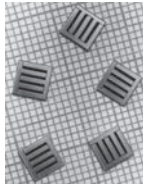


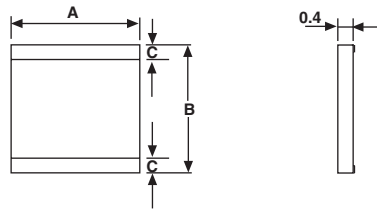
Current Sensing Bondable Chip Resistors



This thin film chip resistor fits applications as force balance scales, E beam deflection systems, switching power supplies, etc... all rely on current sensors to feed back and control the current.

Gold pads are compatible with thermosonic or ultrasonic bonding of gold and aluminium wires.

DIMENSIONS in millimeters



SERIES DISSIPATION	POWER	DIMENSIONS		
		A	B	C
SA	0.5 W	1.5	1.5	0.2
SB	2 W	3	3	0.4
SC	6 W	5	5	0.5

ELECTRICAL SPECIFICATIONS

Ohmic Values and

Associated Tolerance: $0.05 \Omega \leq R < 0.2 \Omega \pm 5 \%$
 $0.2 \Omega \leq R < 0.5 \Omega \pm 2 \%$
 higher values and higher tolerances on request

Power Dissipation at + 70 °C: SA: 0.5 W
 SB: 2 W
 SC: 6 W

Temperature Coefficient: $\pm 100 \text{ ppm}/^\circ\text{C}$
 $\pm 50 \text{ ppm}/^\circ\text{C}$ on request

Noise: - 35 dB max.

Low ohmic value chip resistors are also available with solderable or weldable wraparound terminations.

FEATURES

- Low ohmic value down to 0.05Ω
- Tolerance down to 1 %
- Stability 0.1 % < 2000 h at P_n at 70 °C
- Low noise < 35 dB
- Low TCR 100 ppm/°C



RoHS
COMPLIANT

MECHANICAL SPECIFICATIONS

Substrate: Alumina

Resistive Element: Ni Cr

Glassivation: Ta_2O_5

Bonding Pads: gold

Backside Metallization: on request Ni Au

ENVIRONMENTAL SPECIFICATIONS

Operating

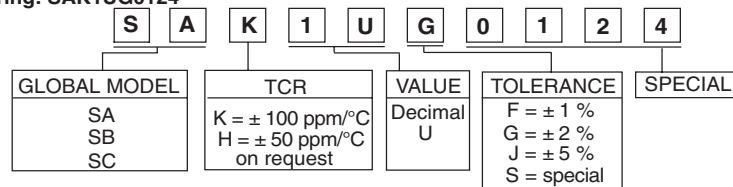
Temperature Range: - 55 °C to + 125 °C

Storage Temperature: - 55 °C to + 155 °C

For standard sizes see our data sheet P Document Number: 53017 and ask us about performance.

GLOBAL PART NUMBER INFORMATION

New Global Part Numbering: SAK1UG0124



Historical Part Number example: S*A 100 1R G R0124 e4



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