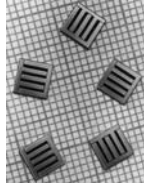


Current Sensing Bondable Chip Resistors



FEATURES

- Low ohmic value down to 0.05 Ω
- Tolerance down to 1 %
- Stability 0.1 % < 2000 h at Pn at + 70 °C
- Low noise < 35 dB
- Low TCR 100 ppm/°C
- Wire bondable
- Compliant to RoHS directive 2002/95/0EC

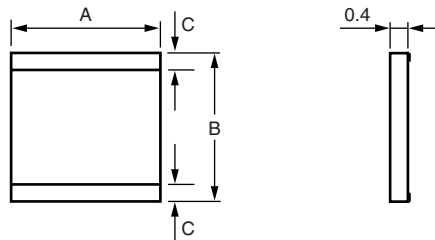


RoHS
COMPLIANT
GREEN
[5-2009]**

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 aluminum 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:
 $0.05 \Omega \leq R < 0.2 \Omega \pm 5 \%$
 $0.2 \Omega \leq R < 0.5 \Omega \pm 2 \%$
 $0.5 \Omega \leq R < 1 \Omega \pm 1 \%$
 higher values and higher tolerances on request

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

Temperature coefficient: ± 100 ppm/°C
 ± 50 ppm/°C on request

Noise: - 35 dB maximum

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

MECHANICAL SPECIFICATIONS

Substrate: Alumina
Resistive element: NiCr
Glassivation: Ta₂O₅
Bonding pads: Gold
Backside metallization: On request Ni Au

ENVIRONMENTAL SPECIFICATIONS

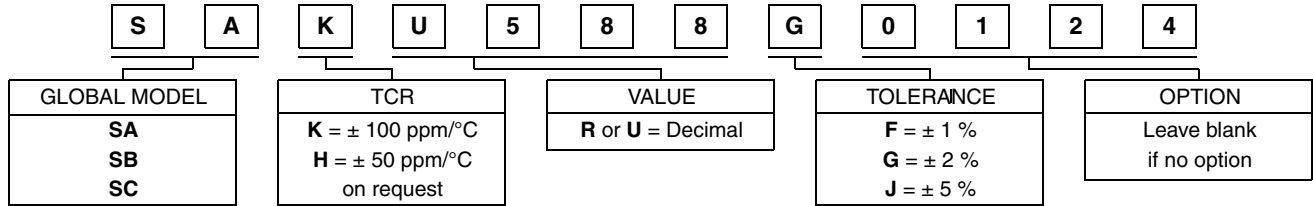
Operating temperature range: - 55 °C to + 125 °C
Storage temperature: - 55 °C to + 155 °C

** Please see document "Vishay Material Category Policy": www.vishay.com/doc?99902

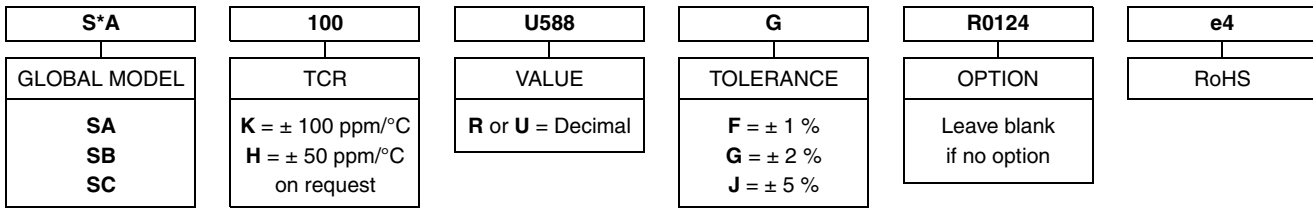


GLOBAL PART NUMBER INFORMATION

New Global Part Numbering: SAKU588G0124



Historical Part Number example: S*A 100 U588 G R0124 e4





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