

SA series, high-precision, Pt-film thermal sensors.



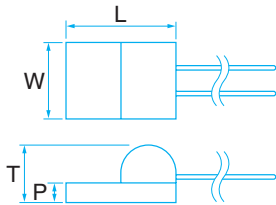
Resistance tolerance of $\pm 0.06\%$ (class A). Suitable for high-precision temperature measurements up to 500°C. Available in various package for specific needs.

RoHS compliant



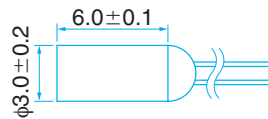
SPECIFICATIONS

Mechanical



Dimension (Inch Size)	SA101□0 (0907)	SA102□0 (1208)
L	2.40±0.15	3.00±0.15
W	1.70±0.15	2.00±0.15
P	0.40±0.20	0.40±0.20
T	1.25±0.20	1.25±0.20

(unit : mm)



(dimension:mm)

Electrical

Type	SA***□0		SA101□1
Resistance (Ω)	100	1,000	100
Tolerance %(code)	$\pm 0.06\%$, $\pm 0.12\%$, $\pm 0.24\%$ (6) (0) (1)		$\pm 0.06\%$, $\pm 0.12\%$, $\pm 0.24\%$
TCR ppm /°C(code)	3,850ppm/°C		3,850ppm/°C
TCR Tolerance	± 100 ppm/°C		± 100 ppm/°C
Response time 90% in air 1m/sec	10sec.	15sec.	30sec.
Dissipation Constant Self-heating	2.5mW/°C	2mW/°C	5.0mW/°C
Max Applied Current	1mA		1mA
Operating Temp. Range	-55~500°C		-55~500°C

·Contact us for TO92 package(operating Temp.: -50~150°C) and electric wire (operating Temp. : -20~105°C)



PART NUMBER

SA 101 1 1

- Dimensions (0=glass coat, 1=ceramic tube)
- Resistance Tolerance
- Resistance
- Part Code

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