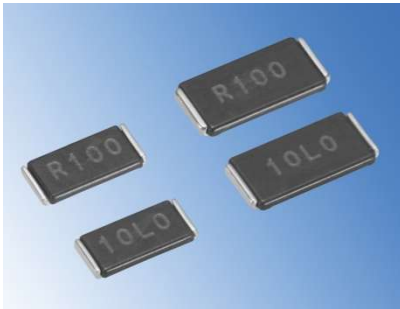


# 10 mΩ to 100 mΩ Current Sensing Chip Resistors



## SLP Series



The new SLP-series of metal element current sensing resistors for the range 10 mΩ to 100 mΩ is now available from KOA.

The metal electrodes offer excellent solderability and have excellent thermal expansion and shrinkage stress performance.

With a T.C.R. of  $\pm 50$  ppm/K and tolerance available to  $\pm 0.5$  %, the new SLP-series is ideal for battery monitoring and other automotive and industrial applications.

### ■ Features

- 10 mΩ ~ 100 mΩ
- Tolerance to  $\pm 0.5$  %
- T.C.R.:  $\pm 50$  ppm/K
- Side termination structure - can create solder fillet
- 2 W power rating in 2010 inch
- EU-RoHS compliant
- AEC-Q200 qualified

### ■ Application Examples

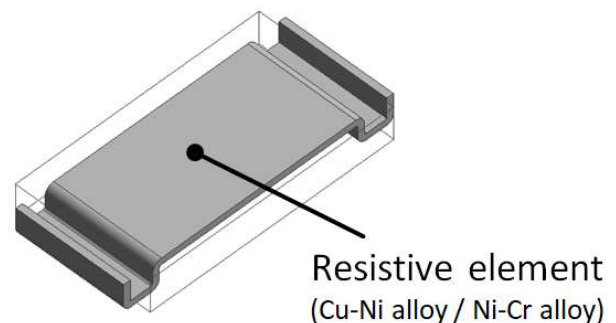
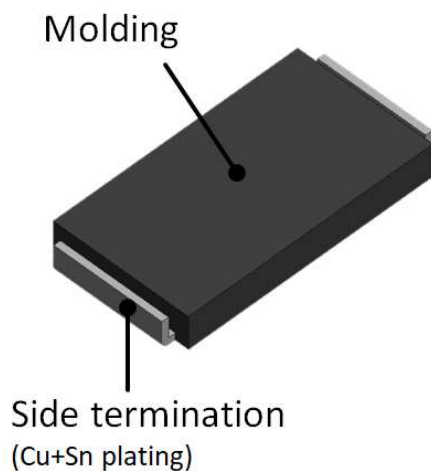
- Automotive electronics
- Batteries
- Industrial equipment
- DC/DC converters

### ■ Ratings

Type	Size (inch)	Power Rating	Rated Terminal Part Temp.	T.C.R. (ppm/K)	Resistance Range (Ω) E24 & E96 *1	Resistance Tolerance	Operating Temp. Range
SLP 2H	2010	1 W	+110 °C	$\pm 50$	10 m ~ 100 m	D: $\pm 0.5$ % F: $\pm 1$ %	-65 ~ +170 °C
SLP 2HW		2 W	+70 °C		10 m ~ 40 m		
SLP 3A	2512	1 W	+110 °C		10 m ~ 100 m		
SLP 3AW		2 W	+70 °C		10 m ~ 40 m		

\*1 Resistance values outside E-series are available in 5mΩ steps (10m, 15m, 20m, etc.)

### ■ Construction



### ■ Datasheet



For more information, please contact:  
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