

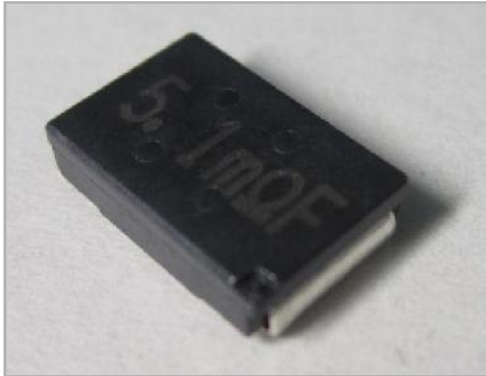
# 5m - 200m , 7W, Current Sensing Resistors Molded Metal Plate Technology



**NEW**

The new SLN5, flame proof, molded SMD current sensing resistor from KOA now also allows a power rating of 7 W and has a T.C.R. down to  $\pm 75$  ppm/K. The terminal design absorbs solder junction stress reducing the possibility of solder cracks.

## SLN5 Series



### Product Features

- 7 W power rating in 4527 inch size
- Low risk of solder cracks
- High reliability
- Flame retardant resin molding (UL94 V-0)
- Excellent dimension accuracy, mountability and shock-resistance due to molded construction
- AEC-Q200 qualified

### Application Examples

- Automotive and industrial devices
  - Motor control, inverters, DC/DC converters, batteries
- Power supplies, AC adapters
- Home appliances (e.g. air conditioners)

### Ratings

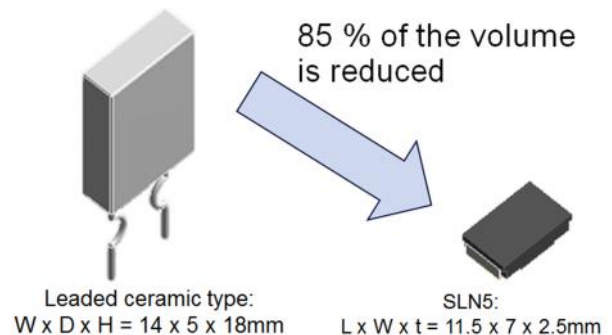
<b>Dimensions</b> L x W x t	11.5 × 7.0 × 2.5 mm (4527 inch)
<b>Power Rating</b>	7 W (5 W*)
<b>Resistance Range</b>	5 mΩ ~ 200 mΩ
<b>T.C.R.</b>	$\pm 110$ ppm/K: <10 mΩ $\pm 75$ ppm/K: $\geq 10$ mΩ

Operating Temperature: -65 °C ~ +180 °C

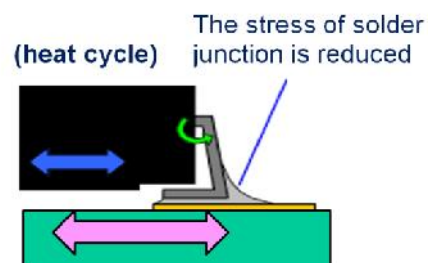
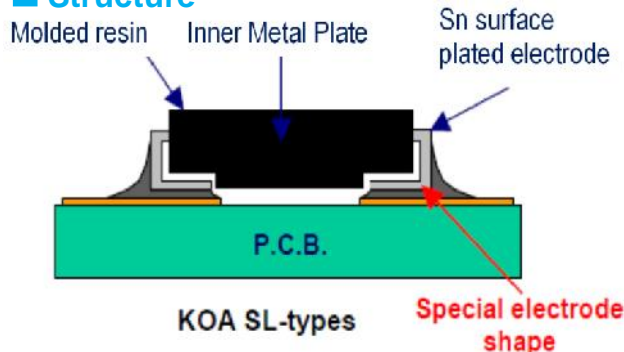
\* 5W (rated terminal temp. +120 °C)

\* 7W (rated terminal temp. +70° °C)

### Volume comparison of rated power 5 W



### Structure



During temperature cycling, the metal terminal reduces solder junction stress.

For more information, please contact:

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