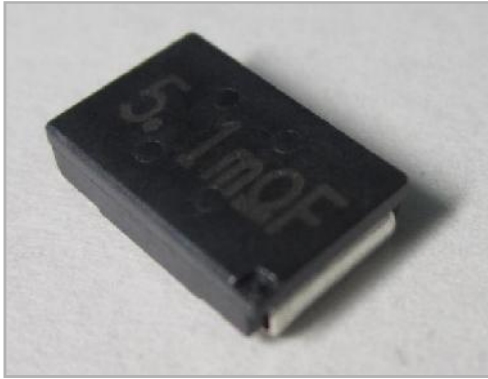


5m - 200m , 7W, Current Sensing Resistors Molded Metal Plate Technology



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 ± 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

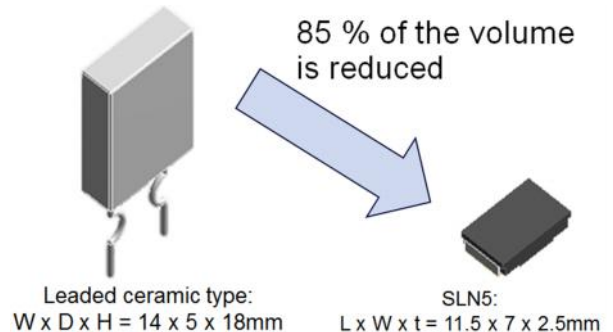
Dimensions L x W x t	11.5 × 7.0 × 2.5 mm (4527 inch)
Power Rating	7 W (5 W*)
Resistance Range	5 mΩ ~ 200 mΩ
T.C.R.	± 110 ppm/K: <10 mΩ ± 75 ppm/K: ≥ 10 mΩ

Operating Temperature: $-65^{\circ}\text{C} \sim +180^{\circ}\text{C}$

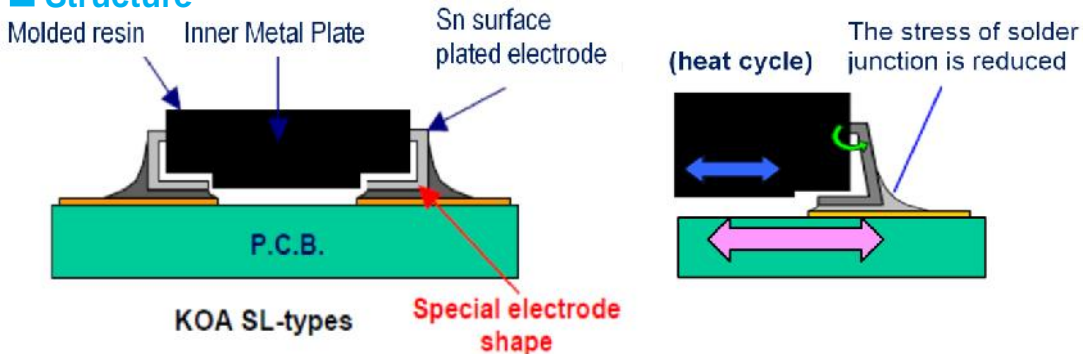
* 5W (rated terminal temp. $+120^{\circ}\text{C}$)

* 7W (rated terminal temp. $+70^{\circ}\text{C}$)

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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