

# 301 mΩ to 1 MΩ, 2512 Molded Thick Film Resistors



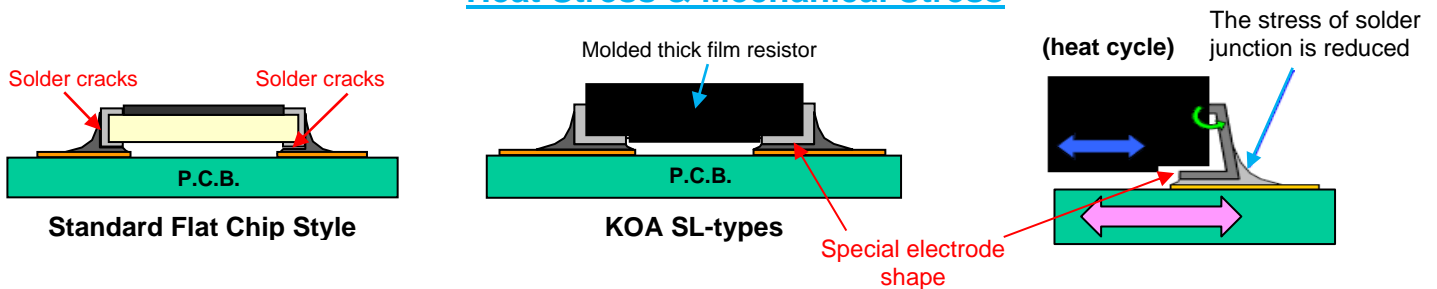
## SLR Series



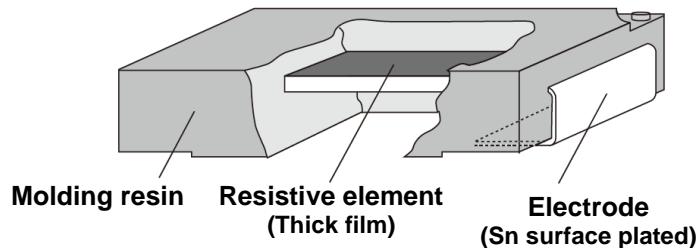
High reliability of the terminal connection in case of heat cycle stress is essential in some circuit designs and applications. The metal electrodes of the new SLR-series offer excellent solderability and have excellent thermal expansion and shrinkage stress performance.

The new SLR-series covering the range 301 mΩ to 1 MΩ is now available from KOA. It includes a thick film resistive element and was especially developed for automotive applications.

## Heat Stress & Mechanical Stress



## Construction



## Features

- Thick film resistor protected by liquid crystal polymer resin
- Excellent "Heat Cycle Characteristics"
- 301 mΩ ~ 1 MΩ , ±0.5 % , ±1 % , ±5 %
- Wide temperature range up to +180 °C
- EU-RoHS compliant
- AEC-Q200 qualified

## Application Examples

- Car electronics
- Automotive ECUs
- Industrial Batteries
- Voltage sensing circuits
- Amplifier circuits for current sensing
- Analog signal conditioning

## Ratings

Type	Size (inch)	Power Rating	Rated Ambient Temp.	Rated Terminal Part Temp.	T.C.R.	Resistance Range E24 & E96 *1	Resistance Tolerance	Operating Temp. Range
SLR	2512	1 W	+70 °C	+90 °C	±100 ppm/K	301 mΩ ~ 1 MΩ	D: ±0.5 % F: ±1 % J: ±5 %	-55 ~ +180 °C

\*1 Only values from E24 series are available for tolerance J (±5 %)

## Datasheet



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