



E-CHARGER



With the increase in the number of electric vehicles, there is a need for an expanded charger infrastructure. These chargers are often located in remote areas, so reliability is of great importance. Reliability and high quality are key factors in KOA's portfolio which offers a broad line up of special resistors.

Key Products

- SG73P Anti-pulse resistors

Key Features

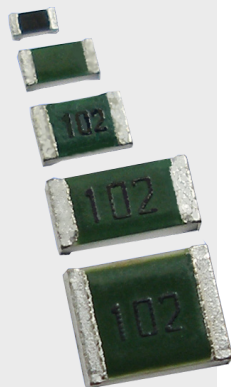
- Ideal for space saving on gate drive circuits
- $\pm 0.5\%$, $\pm 1\%$, $\pm 2\%$, $\pm 5\%$
- 0402 - 1210 size (5 sizes)
- AEC-Q200 tested

Key Applications

- Gate drive circuits
- IO line surge protection
- Industrial electronics
- Motor control units

Key Benefits

- 7 times pulse handling capability compared to standard flat chip resistors
- Higher power ratings compared to standard flat chip resistors
- Highest power on 0402 size with 250 mW



- RS73 High precision thick film resistors

Key Features

- $\pm 0.1\%$ to $\pm 1\%$ tolerances available
- ± 25 ppm/K, ± 50 ppm/K
- ESD tolerant
- AEC-Q200 tested

Key Applications

- Precision electronic circuits
- Automotive electronics
- Industrial instrumentation
- Test equipment

Key Benefits

- $\pm 0.2\%$ ~ Long term stability
- ESD stable
- Ideal for applications where thin film is not suitable





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Key Products

- TLR Shunt resistors

Key Features

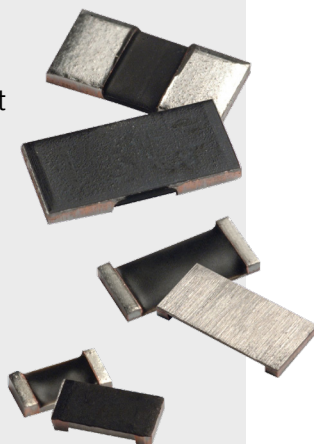
- 0.5 mΩ to 20 mΩ
- Current ratings up to 100 A
- T.C.R.: ±50 / ±75 ppm/K
- Operating Temperatures up to +170 °C

Key Applications

- Power control
- Precision current measurement
- DC-DC conversion

Key Benefits

- 0.7 mm low profile height
- Special no 'hotspot' trimming for high reliability
- Low parasitic inductance



- RN73R Precision metal film resistors

Key Features

- ±5 to ±100 ppm/K
- ±0.05 to ±1 %
- Rated power at +85 °C
- AEC-Q200 tested

Key Applications

- High precision control circuits
- Measuring equipment
- Dividers for power supply volt. monitoring

Key Benefits

- ±0.1 % ~ long term stability
- High humidity protective coating
- Sulfur resistance verified according to ASTM B 809-95

