



48V POWER NET



The 48V power net is an ideal platform for automotive designers allowing them to be able to design with higher voltage lower current devices. The reduction in current means smaller and lighter components and wiring can be used. While the 48V requirement changes the component specifications, the requirement for high performance and quality remains. These are key factors in KOA's portfolio which offers a broad line up of special resistors.

Key Products

- SG73P Anti-pulse resistors

- RS73 High precision thick film resistors

Key Features

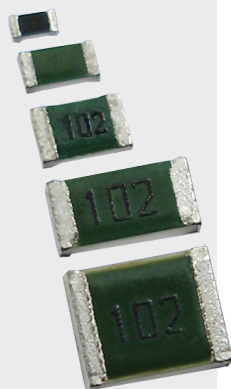
- Ideal for space saving on gate drive circuits
- $\pm 0.5\%$, $\pm 1\%$, $\pm 2\%$, $\pm 5\%$
- 0402 - 1210 size (5 sizes)
- AEC-Q200 tested

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



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

