

High Current Metal Plate SHUNT Resistors – PSx Series

Ideal for high current applications, the PSx series of shunts has just been expanded by KOA. Constructed using a solid metal alloy resistance element with copper terminations the device also has a low TC and excellent pulse characteristics.

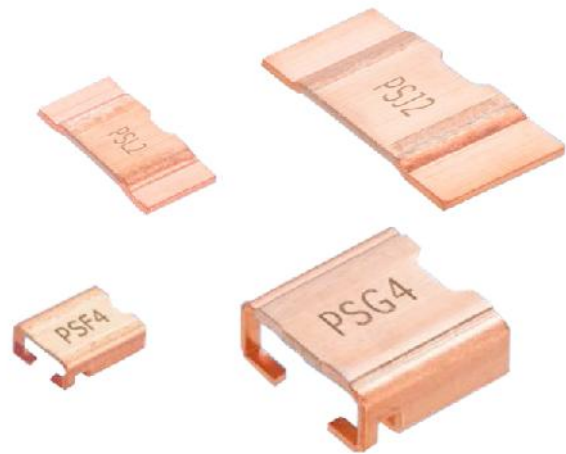
These new shunt resistors are ideal for accurate high current sensing in automotive and industrial applications as well as in high pulse power applications.

Features & Benefits

- Current ratings to 244 A
- 2 or 4 terminal construction
- Ultra-low resistance
- Excellent long-term stability and pulse withstand performance
- Robust construction
- AEC-Q200 qualified

Application Examples

- High current sensing automotive applications
 - ECUs 'under the hood'
 - EPS
 - Motor control
 - EV/HEV
- DC/DC converter
- Inverter power supplies
- Frequency converters
- Intelligent power modules



ORDERABLE PART NUMBERS

- PSL2NTEBL300F (2512 inch, 2 terminal, 0.3 mΩ, 163 A)
- PSL2NTEBL500F (2512 inch, 2 terminal, 0.5 mΩ, 126 A)
- PSJ2NTEBL200F (3920 inch, 2 terminal, 0.2 mΩ, 244 A)
- PSJ2NTEBL500F (3920 inch, 2 terminal, 0.5 mΩ, 141 A)
- PSJ2NTEB1L00F (3920 inch, 2 terminal, 1 mΩ, 89 A)
- PSJ2NTEB2L00F (3920 inch, 2 terminal, 2 mΩ, 54 A)
- PSF4NTEBL500F (1216 inch, 4 terminal, 0.5 mΩ, 100 A)
- PSF4NTEB1L00F (1216 inch, 4 terminal, 1 mΩ, 54 A)
- PSG4NTEBL500F (2725 inch, 4 terminal, 0.5 mΩ, 141 A)
- PSG4NTEB1L00F (2725 inch, 4 terminal, 1 mΩ, 89 A)

Ultra High Precision Thick Film Resistors – RK73G, RK73F, RS73F Series

Using the advantages and experience of KOAs standard thick film resistor technology, KOA has expanded its existing portfolio by adding ultra high precision resistors for demanding environment applications.

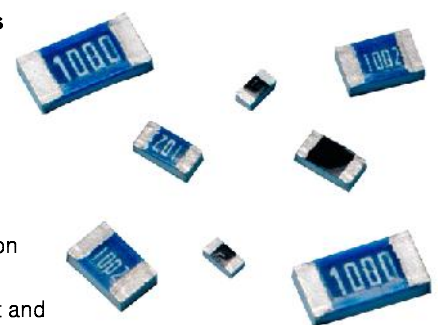
With an operating temperature range of -55 to +155°C, these high precision thick film resistors are ideal for use in automotive and industrial applications.

Features & Benefits

- 0,1–1 % tolerance
- Can replace metal/thin film resistors in some applications
- ESD stability of thick film resistors
- ±25 ppm/K (-25/+50°C) T.C.R. (RK73F & RS73F series)
- ±0.2% Long term stability (RS73F series)
- AEC-Q200 qualified
- Anti-Sulfur types available

Application Examples

- High precision circuits for automotive and industrial
- Motor controls
- AC adapters
- A/D signal conversion
- Switching boards
- Industrial equipment and measurement



ORDERABLE PART NUMBERS

- RK73G Series: High precision
T.C.R. ±50 ppm/K, R-tol. ±0.25%, ±0.5%, ±1%, 0201...1206
- RK73F Series: Ultra high precision
T.C.R. ±25 ppm/K, R-tol. ±0.25%, ±0.5%, 0603 (0805 u.d.)
- RS73F Series: Ultra high precision & high reliability
T.C.R. ±25 ppm/K, R-tol. ±0.1%, ±0.25%, ±0.5%, 0603