



E-METERING

RS73 Precision Detecting Resistor



In E-metering applications, low drift and high reliability are key parameters of the design. Firstly for correct billing and secondly as these parameters help to define the service life of the meter.

KOA has several high reliability components for these applications including the new transient tolerant thick film precision RS73 resistor series for precision voltage measurement and the HV73 series of high voltage resistors which have a voltage rating up to 6x that of a standard surface mount resistor of a similar size.

Key Features

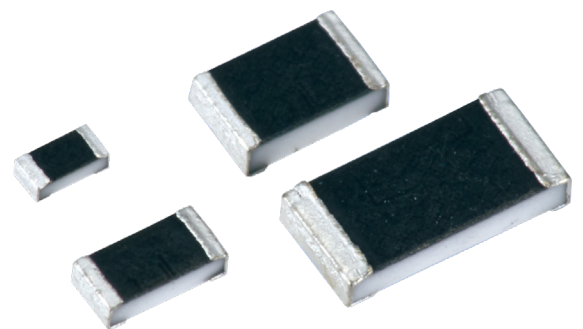
- ± 0.1 to $\pm 1\%$ tolerances available
- ± 25 ppm/K, ± 50 ppm/K
- ESD tolerant
- AEC-Q200 tested

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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HV73 - High Voltage Detecting Resistor



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Key Features

- High voltage proof construction
- Up to 3000 V (D.C.)
- $\pm 0.5\%$, $\pm 1\%$, $\pm 2\%$, $\pm 5\%$
- 0603 - 2512 size (5 sizes)

Key Applications

- Power Supplies
- E-Metering
- Lighting ballasts
- Motor Control

Key Benefits

- 6 times higher working voltage than standard flat chip resistors
- Higher critical resistance compared with standard flat chip resistors
- Resistance range up to 100 M Ω

