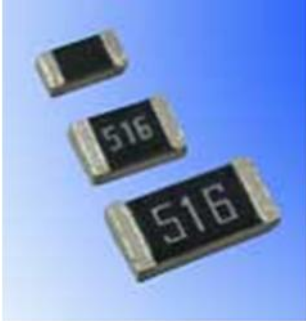


AEC-Q200 qualified, High Voltage Thick Film Chip Resistor for Automotive Applications



NEW

HV73V Series



KOA's high voltage HV73-series has been expanded with the addition of the new HV73V-types for automotive applications.

The special inner material makes the part suitable for high voltages with improved temperature cycling stability compared to standard resistors.

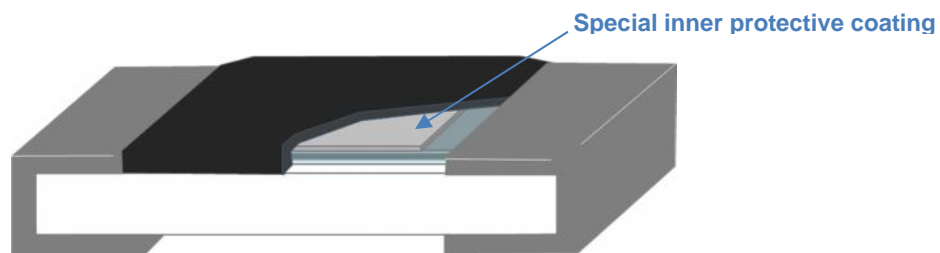
The higher critical resistance allows a higher voltage at higher resistance values.

The special coating ensures that higher voltages can be applied at operating temperatures up to +155 °C.

NEW: Increased power rating for HV73V 0805 = 0.25 W

KOA's new high voltage type chip resistor HV73V-series for automotive applications achieves max. working voltages 2.5 times higher than general-purpose type chip resistors. This means fewer resistors are used in voltage detecting circuits saving PCB space. The HV73V is suitable for high reliability automotive applications.

Structure



Improved characteristics to withstand high voltages is achieved by using a special inner coating for the resistive element.

Product is adapted to the automotive standard AEC-Q200.

Product Features

- Thick film chip for high voltage
- 10 k to 51 M
- 0603, 0805 and 1206 inch
- $\pm 0.5\%$, $\pm 1\%$, $\pm 2\%$ and $\pm 5\%$
- Anti-Sulfuration types available (HV73V_RT) **NEW**
- EU-RoHS compliant
- AEC-Q200 qualified

Applications

- Battery module (Voltage monitoring, battery management circuit)
- Inverter module (Inverter circuit, DC-DC converter)
- Around circuits where regenerative voltage of motor is applied
- Voltage detection circuit of quick charger

For more information, please contact:

KOA Europe GmbH, Kaddenbusch 6, D-25578 Dägeling-Itzehoe, Germany

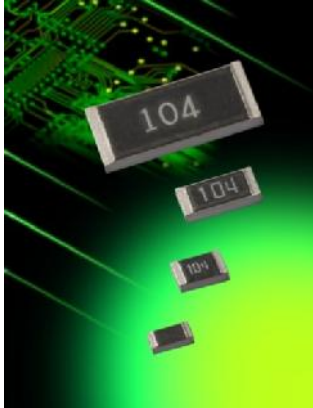
Phone: +49 (0)4821 89890, E-Mail: koa-europe@koaeurope.de, Internet: www.koaeurope.de

High Voltage Chip Resistors

350 V to 3 kV



HV73 Series



KOA's HV73 series is ideal for high voltage applications up to 3000 V (DC) while offering a very low resistance drift over the full voltage range.

The higher critical resistance allows a higher voltage at higher resistance values.

The special coating ensures that higher voltages can be applied at operating temperatures up to +155 °C.

NEW: Increased power rating for HV73 0805 = 0.25 W

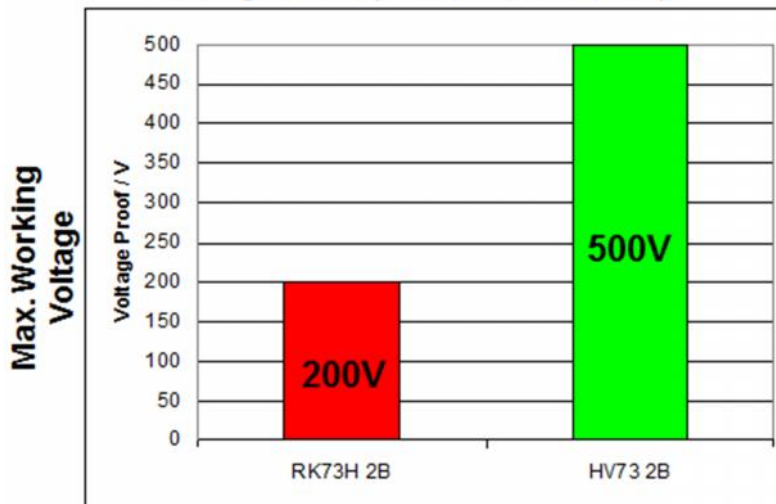
The HV73 is a special chip resistor designed for high working voltages, offering a higher working voltage than standard thick film devices.

Excellent heat and moisture resistance are ensured by the use of metal glaze thick film.

The series is available in sizes from 0603 to 2512 in the operating temperature range from -55 °C to +155 °C.

■ Voltage comparison

Voltage Proof (1 MOhm, size 1206)



■ Product Features

- 3000 V(D.C.) working voltage
- 10 k to 51 M
- 0603, 0805, 1206, 2010 and 2512 inch
- ±0.5 %, ±1 %, ±2 % and ±5 %
- Anti-Sulfuration types available (HV73_RT) **NEW**
- EU-RoHS compliant

■ Applications

- Power supplies
- Lighting ballasts
- Motor control
- Camera Flashlight
- AC Adapters
- LCD back-lights

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