

# AEC-Q200 qualified, 0.75W/0.5W, 10mΩ - 100mΩ, Current sensing resistor with T.C.R to 75ppm

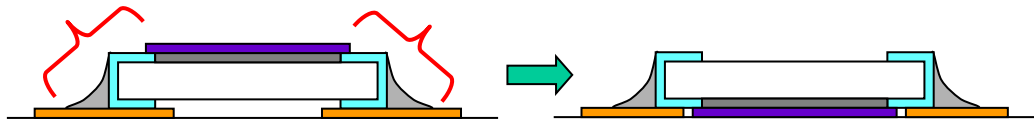


KOA's UR73V-series thick film low ohm resistors are designed for current detection, especially in demanding environments. The special facedown construction makes lower resistance values with a low T.C.R. possible.

The low T.C.R of new UR73V-series and its wide operating temperature range of -55 °C to +155 °C make it ideal for applications such as automotive or high reliability DC-DC converters.

The T.C.R. of ±75 ppm/K is specified for resistance values between 15 mΩ and 75 mΩ in 1206 size.

The UR73V-series is available from 10 mΩ to 100mΩ and is available in **0805** and **1206** sizes.



The facedown construction means that the total T.C.R. is minimized due to the shorter current path in the electrodes and solder fillet.

## Features:

- 10 mΩ to 100 mΩ
- 0.5 W (0805 size), 0.75 W (1206 size)
- AEC-Q200 qualified
- ±1 % tolerance
- Lower cost alternative to metal plate parts
- Standard and face down type available
- Improved high temperature reliability (operating temperature -55 °C to +155 °C)

## Applications:

- Automotive, including 'under the hood' applications such as ECUs
- Power supplies
- DC-DC converters
- Motor controls
- Industrial automation
- Meter
- LED Lighting

## Ratings:

Type	Size (inch)	Power Rating	Rated Terminal Part Temp.	T.C.R. (ppm/K)	Resistance Range (Ω) E24 & 25 m, 50 m	Resistance Tolerance
UR73VD 2A (facedown) <b>NEW</b>	0805	0.5 W	+100 °C	0 ~ +250	10 m - 11 m	±1 %
				0 ~ +150	12 m - 13 m	
				<b>±75</b>	<b>15 m - 36 m</b>	
UR73V 2A			<b>±75</b>	<b>39 m - 100 m</b>		
UR73VD 2B (facedown)	1206	<b>0.75 W</b>	+110 °C	0 ~ +250	10 m - 11 m	
				<b>±75</b>	<b>12 m - 27 m</b>	
				<b>±75</b>	<b>33 m - 75 m</b>	
UR73V 2B			±100	30 m, 82 m - 100 m		

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