

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



KOA's UR73-series thick film shunts are designed for current detection, especially in demanding environments. The special facedown construction makes lower resistance values with a low T.C.R. possible.

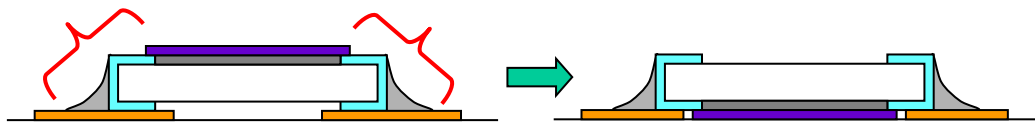
Compared to KOA's existing UR73-series the new UR73V-series has an even better T.C.R. and its wide operating temperature range of -55°C to +155°C makes it ideal for applications such as automotive or hi-rel DC-DC converters.

The T.C.R. of ± 100 ppm/K is specified for resistance values higher than 11mΩ.

The UR73V-series covers the resistance range from 10mΩ to 100mΩ and is available in 1206 size (inch).



Resistors in the range 30mΩ to 100mΩ are designed for standard mounting whilst values in the range 10mΩ to 27mΩ use a facedown construction.



Not only is the total T.C.R. minimized due to the cancellation of the top electrode and the solder fillet T.C.R., but also lower resistance values are achieved with the facedown construction.

Features:

- 10 mΩ to 100 mΩ
- 0.5W, 1206 size
- AEC-Q200 qualified
- $\pm 1\%$ tolerance
- ± 100 ppm/K (12mΩ... 100mΩ)
- Competitive 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
- Consumer electronics

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