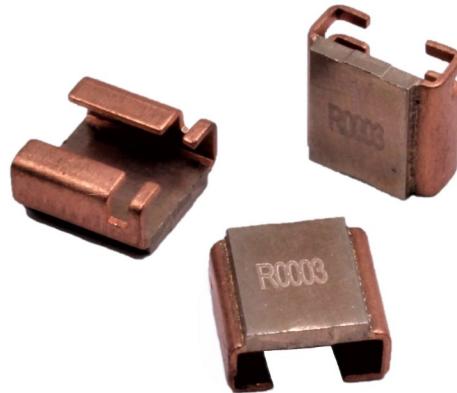


LRMAP2726

Low Resistance Metal Alloy Power Resistors

Features:

- 5W rating at 100°C
- Values 0.2 to 5mΩ
- 4-terminal Kelvin J-lead terminations
- Robust welded construction
- TCR down to 25ppm/°C
- Hotspot distanced from PCB
- Low inductance



Description:

LRMAP2726 is a high power, low value SMT shunt resistor. With values down to 200μΩ and a power rating of 5W, the theoretical maximum measurable current is up to 158A, so in effect it is restricted only by the current carrying capacity of the PCB tracks. With 1% tolerance and down to 25ppm/°C, this product combines good precision with the high surge capacity of metal alloy technology.

Equivalent to Isabellenhütte BVB and Vishay WSL2726, this part offers a robust shunt with hotspot distanced from the PCB to reduce board heating. The 4-terminal Kelvin terminations reduce the differences between unmounted and mounted resistance and TCR which can be experienced with 2-terminal types.

Available in 9 values from 0.2 to 5mΩ, LRMAP2726 gives designers a high degree of flexibility, and the wide temperature range of -55 to +170°C makes this rugged component suitable for demanding applications.

Applications:

- Power supply
- Motor drive
- Battery monitoring
- Solar cell monitoring
- Process control

Benefits:

- Spacing from PCB minimises the board temperature rise and enhances reliability of the assembly.
- High surge tolerance gives reliable product performance under inrush and momentary short circuit conditions.
- 4-terminal Kelvin connections improve precision meaning that a small part of the designer's error budget is consumed, enabling more design freedom elsewhere in the circuit.