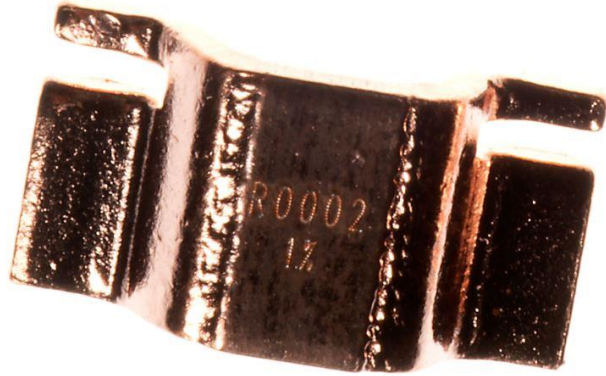


## LRMAP4026 – Low Resistance Metal Alloy Power Resistors

0.2 to 3m $\Omega$  – 4-Terminal Kelvin – Accurate current sense

LRMAP4026 is a high power, low value SMT shunt resistor. With values down to 200 $\mu\Omega$  and a power rating on FR4 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 50ppm/ $^{\circ}\text{C}$ , this product combines good precision with the high surge capacity of metal alloy technology.



### FEATURES

- 5W rating at 70 $^{\circ}\text{C}$  on FR4
- Values 0.2 to 3m $\Omega$
- 4-terminal Kelvin gullwing terminations
- Robust welded construction
- TCR down to 50ppm/ $^{\circ}\text{C}$
- Hotspot distanced from PCB
- Low inductance
- AEC-Q200 qualified

### BENEFITS

- Spacing from PCB minimises the board temperature rise and enhances reliability of the assembly.
- 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.

### IDEAL APPLICATIONS

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