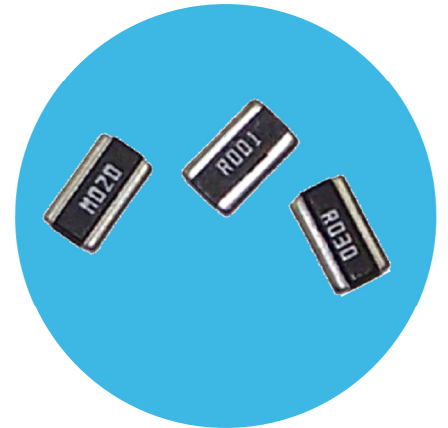


Fast Facts

LRMAN1225 – Current Sense Resistors

LRMAN1225 is an inverse format metal alloy current sense resistor. It complements the existing range of inverse format parts in 0612 and 0815 size and provides a power rating of 3W.

With values down to 2mΩ, this product provides a useful alternative to thick film on ceramic types for applications where high current surges are possible, or where TCR must be restricted to $\pm 100\text{ppm}/^\circ\text{C}$.



Market Segments

- Industrial
- Instrumentation
- Automotive
- Consumer

Applications

- Power supplies
- Small motor control
- DC-DC convertors

Features

- Power rating 3W
- Values down to R002
- TCR $\pm 100\text{ppm}/^\circ\text{C}$
- High pulse handling capability

Benefits

- Inverse format is more robust under conditions of thermal cycling or board flexing, leading to lower cost of field failures.
- Surge tolerant resistor enhances reliability and reduces field failures in applications exposed to electrical surges.

Our Advantage

For circuit designers who need to make current measurements in the range 1 to 35A with high tolerance of current surges and temperature variations we provide LRMAN1225 which provides a wider ohmic range than competing parts as demonstrated in Appendix 1.

Fast Facts

Appendix 1 Competitor Cross Reference

LRMAN1225 has very limited competition. It may be used as an alternative to

- Ra-Ra MCSL1225

LRMAN1225 matches the power rating and stability and offers a wider value range.

		Ohmic Range (mΩ)	Power Rating (W)
TTE	LRMAN1225	2 to 40	3
Ra-Ra	MCSL1225	5 to 10	3

Appendix 2 Search Keywords

current sense resistor	shunt resistor	1225 chip
metal strip resistor	bulk metal resistor	inverse form resistor
power metal strip		