

Manganin Shunt Resistor for High Precision Current Measurement



Description

The R-100-01 shunt resistor is a precision Cu-Mn resistance. It consists of a copper busbar with hole terminals for easy installation.

The shunt is designed for precision current measurement in instruments, industrial, and automotive applications, typically including energy meters, ampere meters, power inverters, and battery current monitoring.

Characteristics

Parameter	Typical Value	Unit
Continuous RMS current	270	Amps
Maximum RMS current	600	Amps
Continuous power	7	W
Maximum power	36	W
Resistance	100	μOhm
Accuracy of absolute resistance	5	%
Resistivity temperature coefficient	± 50	ppm/K
Operation temperature range	-50 ... 150	$^{\circ}\text{C}$

Geometry

