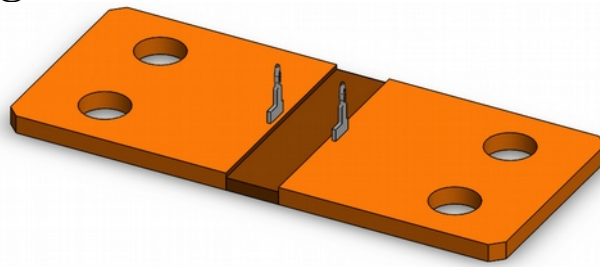


# Manganin Shunt Resistor for High Precision Current Measurement



## Description

The R50-BAR-04C shunt resistor is a precision Cu-Mn resistance. It consists of a copper busbar with hole terminals for easy installation and pressfit-type sense contacts.

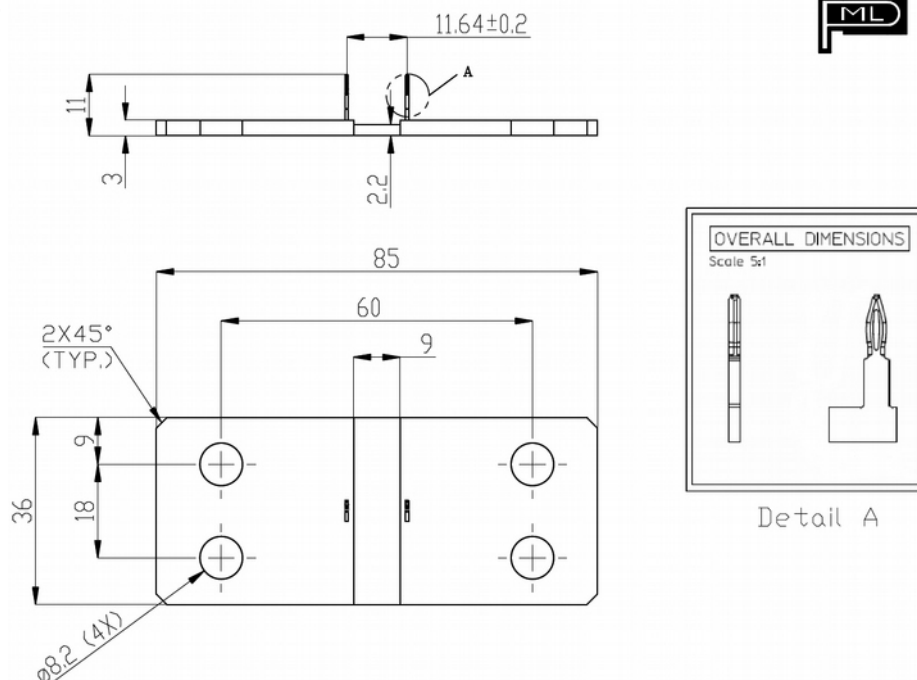
The shunt is designed for precision current measurement with high thermal stability in instruments, industrial, and automotive applications, typically including energy meters, ampere meters, power inverters, and battery current monitoring.

## Characteristics

Parameter	Typical Value	Unit
Resistance	50 (*)	$\mu\text{Ohm}$
Accuracy of absolute resistance	5	%
Resistivity temperature coefficient	$\pm 50$	ppm/K
Operation temperature range	-50 ... 150	$^{\circ}\text{C}$
Continuous power	15	W
Maximum power	60	W
Inductance	<5	nH

(\*) available resistance values:  $50\mu\text{Ohm}$ ,  $75\mu\text{Ohm}$ , ...,  $250\mu\text{Ohm}$

## Geometry



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