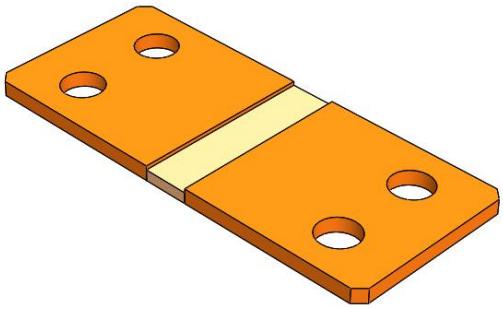
Manganin Shunt Resistor

for High Precision Current Measurement



Description

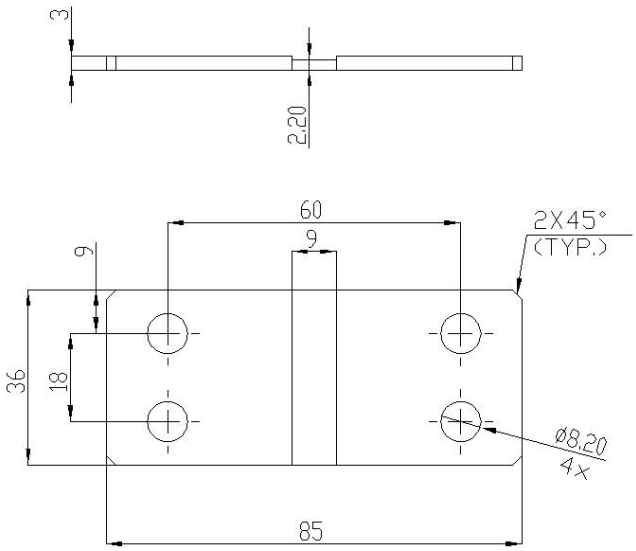
The R50-BAR-04A shunt resistor is a precision Cu-Mn resistance. It consists of a Tin plated copper busbar with hole terminals for easy installation.

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 ±5%	µ Ohm
Temperature coefficient	±200	ppm/ºC
Temperature coefficient (element material)	±20	ppm/ºC
Operation temperature range	–40 to 125	°C
Storage range	–40 to 150	°C
Continuous power	15	W
Maximum power	36	W

Geometry



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