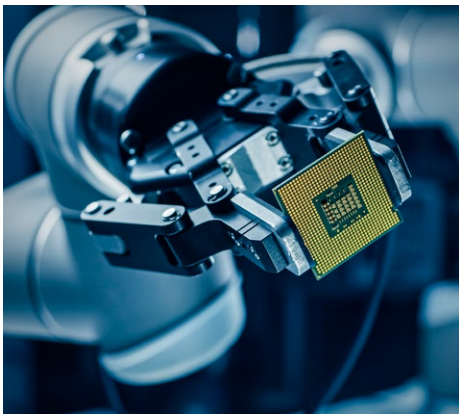
ISABELLENHÜTTE

CUSTOMER STORIES

NOVEL APPROACH TO CURRENT SENSING OPENS UP BETTER POSSIBILITIES ACROSS SEVERAL APPLICATIONS.



Bypassing "Hall Effect"

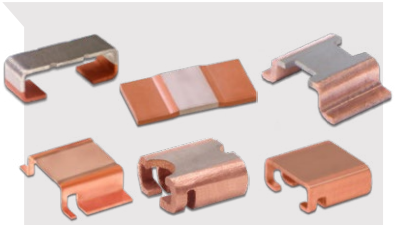
Shunt Based Current Sensing reduces both costs and complexity in an elegant solution

CHALLENGE

One traditional method for passive current sensing ("Hall effect") can be effective—but requires complex circuitry, which translates into greater expense for manufacturers.

SOLUTION

Working with our client's engineering teams, we used our ISA-WELD technology to design new R-values that helped to achieve higher current rate with less power dissipation. These modules with integrated shunt resistors helped optimize the overall system costs of an inverter by eliminating the need for external current sensors, saving space in the system, reducing costs and lowering manufacturing efforts.



BUY ISA-WELD RESISTORS »

APPLICATION

IGBT Modules for: consumer electronics, industrial technology, energy sector, aerospace, electronic devices, and transportation. With integrated shunt-based current measurement: Lower Rthi, Lower Total Cost of Ownership