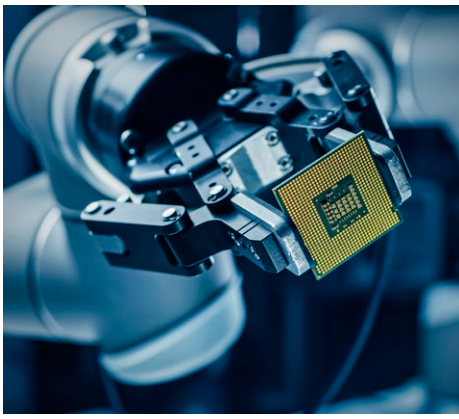
CUSTOMER STORIES

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



Bypassing "Hall Effect" reduces both costs and complexity in an elegant solution.

CHALLENGE

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

SOLUTION

SOLUTION 1 / 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 material costs, and lowering manufacturing efforts.

SOLUTION 2 / Working with our client's engineering team, we explored the opportunities available using our ISA-WELD technology to design new R-values in order to achieve higher current rate with less power dissipation.

APPLICATION

APPLICATION 1 / Leading Electronic Chip Manufacturer - IGBT Modules for: consumer electronics, industrial technology, energy sector, aerospace, electronic devices, and transportation

APPLICATION 2 / Global Leader in Drive Technologies - IGBT module with integrated shunt-based current measurement: Lower Rthi, Lower Total Cost of Ownership