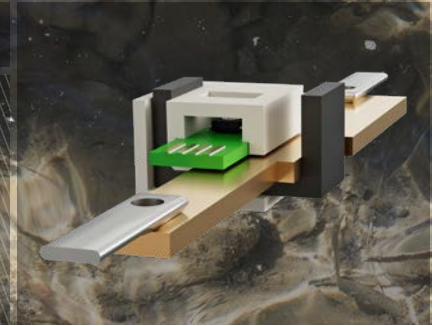


Melexis

INSPIRED ENGINEERING

DVK IMC-HALL SHIELD

DEVELOPMENT KIT FOR IMC-HALL® CURRENT SENSOR ICs



The sprout of the platypus is a sensory organ with electroreceptors in the skin of the bill, which allows it to detect the electrical field that is generated when its prey contracts its muscles. With its 40,000 sensitive electronic sensors, this unique semi-aquatic egg-laying mammal represents our current sensors.

IMC-HALL® CURRENT SENSOR DEVELOPMENT KIT

The DeVelopment Kit (DVK) DVK-IMC-Hall-Shield provides all you need to evaluate the performances and the functionalities of the MLX91208, MLX91216 and MLX91218 IMC-Hall® current sensor ICs. It includes:

- Ready-to-use evaluation board provided with the MLX91216LDC-CAV-001-RE and MLX91216LDC-ARX-300-RE for a quick start
- A MLX91208/MLX91216 evaluation board with no IC to be customized with the reference you need
- A MLX91218 evaluation board with no IC to be customized with the reference you need
- Additional spare sensors
- SiFe ferromagnetic shields
- Copper bars
- Plastic holders in order to easily assemble all the possible configurations

KEY FEATURES

- ✓ Plug and play DVK (all included from copper bar to sensor)
- ✓ DVK provided with an extra PCB to connect any other variant
- ✓ Build and test different configurations (shields, sensors, sensitivity)
- ✓ Ground Layer and Decoupling capacitors for high EMC performances
- ✓ (Programmable) high speed current sensor
- ✓ (Programmable) linear transfer characteristic
- ✓ Measurement range from
 - Smallest shield: up to 700 A
 - Biggest shield: up to 1400 A
- ✓ SOIC8 package RoHS compliant
- ✓ Wideband from DC to 400kHz
- ✓ Short response time



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