

ACEINNA



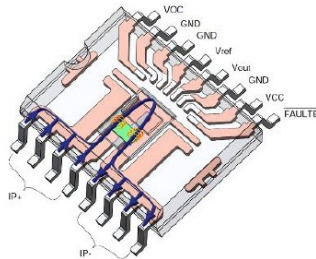
Headquartered in Andover MA, ACEINNA's sensing solutions are based on proven technologies that are enabling hundreds of millions of sensors worldwide, in applications from aerospace to automotive. They deliver state-of-the-art, next-generation sensing at scale.

Current Sensor ICs

Current Sensors - ACEINNA is applying its leadership and expertise in Anisotropic Magneto Resistive (AMR) magnetic sensing to AC and DC current sensing. AMR based current sensors are easily scaled for small or large current ranges. ACEINNA improves on existing current sensing technology in the follow ways: Improved Over Temperature Accuracy, Increased Dynamic Range and Resolution, Increased Bandwidth (1 MHz), Better Input Referred Bias Stability

Part Number	Nominal Current	Accuracy	Bandwidth	Response Time	Supply Voltage	Over Current Detection Time	Offset	Package Type	Package Size
MCA1101-50-5	+/- 50A	1.5% of Reading	1.5MHz	300ns	5.0V	200ns	40mA	SOIC16	10 x 10mm
MCR1101-50-5	+/- 50A	1.5% of Reading	1.5MHz	300ns	5.0V	200ns	40mA	SOIC16	10 x 10mm
MCA1101-20-5	+/- 20A	0.6% of Reading	1.5MHz	300ns	5.0V	200ns	20mA	SOIC16	10 x 10mm
MCR1101-20-5	+/- 20A	0.6% of Reading	1.5MHz	300ns	5.0V	200ns	20mA	SOIC16	10 x 10mm
MCA1101-5-5	+/- 5A	1.0% of Reading	1.5MHz	300ns	5.0V	200ns	20mA	SOIC16	10 x 10mm
MCR1101-5-5	+/- 5A	1.0% of Reading	1.5MHz	300ns	5.0V	200ns	20mA	SOIC16	10 x 10mm

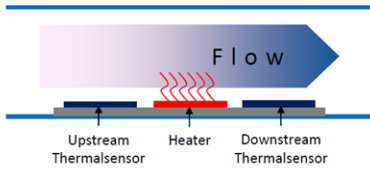
Part Number	Nominal Current	Accuracy	Bandwidth	Response Time	Supply Voltage	Over Current Detection Time	Offset	Package Type	Package Size
MCA1101-50-3	+/- 50A	0.7% of Reading	1.5MHz	300ns	3.3V	200ns	20mA	SOIC16	10 x 10mm
MCR1101-50-3	+/- 50A	0.7% of Reading	1.5MHz	300ns	3.3V	200ns	20mA	SOIC16	10 x 10mm
MCA1101-20-3	+/- 20A	0.6% of Reading	1.5MHz	300ns	3.3V	200ns	20mA	SOIC16	10 x 10mm
MCR1101-20-3	+/- 20A	0.6% of Reading	1.5MHz	300ns	3.3V	200ns	20mA	SOIC16	10 x 10mm
MCA1101-5-3	+/- 5A	1.0% of Reading	1.5MHz	300ns	3.3V	200ns	20mA	SOIC16	10 x 10mm
MCR1101-5-3	+/- 5A	1.3% of Reading	1.5MHz	300ns	3.3V	200ns	20mA	SOIC16	10 x 10mm



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Flow & Differential Pressure Sensors



The **MDP200** differential pressure sensor is a highly accurate and stable pressure sensor, designed for industrial, HVAC, and medical applications. The sensor is offered in a +/- 500 Pa configuration with custom ranges available. The sensor is available in bar and manifold mount, with straight and angled connector pins.

Inertial Systems

Inertial Systems - provide end-users and systems integrators with fully-qualified MEMS-based solutions for measurement of static and dynamic motion. These are standalone and embedded multi-axis (9DOF) strap-down inertial measurement systems supporting a wide range of applications including INS, AHRS, VG and others. The precisely calibrated OpenIMU hardware combined with the Open Source Development Platform in MS VS Code provides the most cost effective solution for inertial measurement applications.

Tilt Sensors - Ruggedized, environmentally sealed inertial sensors that can survive tough construction, agriculture and industrial applications



Inertial Measurement Units (IMU) - Open IMU solutions offer best-in-class IMU performance with fully customizable, open source algorithms



Inertial Navigation Systems (INS) - GNSS & IMU sensors combined to deliver cm level accuracy positioning and inertial positioning estimation.



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