

Sensing and Power IC Solutions

Our Energy Efficient ICs are at the Core of Sensing, Regulating, and Driving All Electrical and Electronic Equipment

	Magnetic Sensor ICs			Power ICs			
	SENSE			REGULATE & DRIVE			
	Current	Position	Speed	Regulators	Motor	Gate Drivers	Isolated Gate Drivers
xEV Powertrain	●	●	●	●	●	●	●
ADAS	●	●	●	●	●	●	
Clean Energy	●	●			●		●
Data Centers	●				●		●
Industrial	●	●	●	●	●		●

Sense

Accurately measure current in a circuit, precisely detect position in 1, 2, or 3 dimensions, and measure linear and angular movement, rotational speed, and more.

Current Sensors

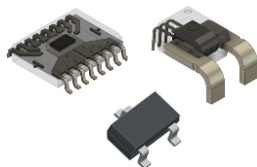
- Integrated Conductor
- Field Sensors

Position Sensors

- Switches and Latches
- 1D Linear
- 2D Angle
- 3D Magnetic

Speed Sensor

- Camshaft Sensor
- Crankshaft Sensor
- E-Motor Speed Sensor
- Transmission Sensor
- Wheel Speed Sensor



Regulate

Robust, automotive-grade DC-DC regulators, power modules, and LED drivers translate power from high to low voltages and regulate it for **safe and reliable** powering of components.

ClearPower Modules

- LED Driver Modules
- Regulator Modules

LED Drivers

Regulators

- Multiple Output Regulators
- Single Output Regulators



Drive

Our motor and isolated gate drivers, **simplify designs, minimize board space,** and **reduce costs.** Embedded motion control algorithms **improve your motor performance** and time to market.

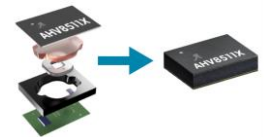
Brushless DC Motor Drivers

Brushed DC Motor Drivers

Stepper Motor Drivers

Isolated Gate Drivers

Gate Drivers



Moving the World Toward a Safer and More Sustainable Future.



e-Mobility

Vehicle electrification and autonomous driving (ADAS)

Advanced powertrain solutions, unmatched safety standards, and energy efficient systems help you develop world-class vehicles.

- Extend driving range
- Faster charging
- ISO 26262 compliant



Clean Energy

Renewable energy generation, transmission and storage

Highest accuracy, bandwidth and integration increases power conversion efficiency.

- Improve system safety
- More power in less space
- Improve thermal efficiency
















Industrial








Intelligent automation and cloud infrastructure

Accurate sensing and efficient motor drivers speed up automation across industries.

- Speed and precision
- Simplification and efficiency
- Safety and reliability

 Battery Management	 Thermal Management
 On-board Charger	 Traction Inverter
 DC-DC Converter	 Safety, Comfort & Convenience
 Braking	 Steering

 Solar Inverters	 EV Charging
 Wind Turbines	 Heat Pumps
 Energy Storage	

 Cloud Infrastructure	 Industrial Motor Control
 Factory Automation	 Garden and Power Tools
 Robotics	 Personal Mobility
 Building Automation	



#1

in magnetic sensors¹



0.14 PPM

zero defect culture



30+ Years

of innovation



>1,400

active patents²

1. Omdia, MEMS & Sensors Competitive Analysis Database 2023.
2. As of the quarter ended June 30, 2023.