

Precision Meets Power: Advanced Nanocrystalline Cores **for Hall Sensors**

High-Precision Current Measurement with Advanced Nanocrystalline Technology

With an innovative gap core design, MAGNETEC's Hall sensors offer outstanding stability and precision in current measurement, handling high frequencies and demanding currents with ease. Utilizing nanocrystalline technology, these cores minimize energy losses and deliver peak signal fidelity – perfect for high-performance power electronics.

Feature-Rich Design, Powerful Results

Consistent Signal Accuracy

Built to reduce magnetization losses, our Hall sensors maintain exacting accuracy, even in rapidly changing current conditions. This makes them an ideal choice for applications where reliable, real-time measurements are critical.

Compact and Space-Efficient

With a design that takes up minimal space, these nanocrystalline cores fit effortlessly into tight spaces, allowing for seamless integration into compact electronic systems without compromising performance.

Advancing Key Industries with Precision

Automotive Systems:

Designed to ensure precise monitoring in electric drivetrains and EV charging infrastructure, enhancing performance and safety across the board.

Industrial Control Applications:

Delivers stable, accurate measurements under high currents, making it perfect for frequency converters and motor control systems that demand precision.

Renewable Energy Solutions:

Enables accurate control in solar and wind inverters, optimizing energy efficiency for reliable, sustainable power systems.

Why Choose Nanocrystalline Technology?

Nanocrystalline materials bring unique advantages: higher saturation levels, lower energy losses, and superior thermal stability. These qualities empower MAGNETEC's Hall sensors to deliver exceptional reliability and performance in a compact form factor—exactly what today's demanding applications require.

