

INTRODUCING OUR NEW PRODUCTS

NEW PRODUCT RELEASE — ISPQ9291X & ISPQ9185X

Automotive Grade Optocouplers

ISOCOM Components 2004 Ltd (UK) unveils its new series of automotive-grade optocouplers, the **ISPQ9291X** and **ISPQ9185X**. These components are designed for Electric Vehicle systems, high-reliability industrial automation, and other harsh automotive environments. The new series offers superior signal transmission and noise isolation performance. It features a high operating temperature range and is available in miniature 4-pin surface-mount packages, fully compliant with the latest **AEC-Q102** standard.

Why Choose ISPQ9291X & ISPQ9185X

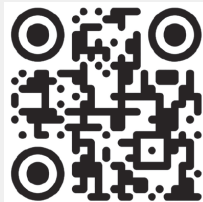
- Single channel
- Low operating current
- Wide CTR (Current Transfer Ratio) from 50% to 600%
- Complies with UL 1577 and VDE DIN EN60747-5
- Ultra-small footprint for space-constrained PCBs
- High isolation voltage: >3750V rms

High-Performance Optocoupler Technology

The ISPQ series is a new line of high-performance optocouplers with an extended operating temperature range of -40°C to $+125^{\circ}\text{C}$. Each device consists of an infrared light-emitting diode optically coupled to a high-reliability transistor. The series is pin-compatible with most industry-standard packages for easy integration.

Applications

- ⚡ Electric Vehicle Onboard Systems and Charging Stations
- 🌞 Renewable Energy (Inverters, Microinverters)
- 🛠️ Precision Measuring and Testing Equipment
- 🔋 Battery Management Systems (BMS)
- 🏭 High-Reliability Industrial Automation
- 💻 Data Communication and IT Equipment



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