



The DNA of tech.

VCSEL-Based Reflective Optical Sensor Features CTR of 31 % and Lower Power Consumption in 1.85 mm by 1.2 mm by 0.6 mm Package

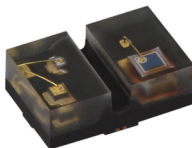


ADVANTAGE

High performance reflective sensor saves space while delivering improved performance with a higher current transfer ratio (CTR), increased sensing distance, and lower power consumption

KEY PRODUCT FEATURES

- ✓ Innovative technology features a vertical-cavity surface-emitting laser (VCSEL) and a silicon phototransistor for superior optical sensing
- ✓ Advanced proximity performance, narrow emission angle enhances internal crosstalk suppression and improves proximity performance, even behind cover glass
- ✓ Saves > 40 % of PCB space compared to previous-generation devices
- ✓ Features a detection range of 0.3 mm to 6 mm



RESOURCES



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MARKETS AND APPLICATIONS



CONSUMER

- Entertainment
- Appliances
- Health and Care



MOBILITY

- Micro Mobility
- Agricultural equipment



ENERGY SECTOR

- Generation and Exploration
- Distribution and Management
- Storage



INDUSTRIAL

- Infrastructure
- Home and Building Controls



COMPUTER

- Peripherals
- Computer