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

MARKETS AND APPLICATIONS

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• Appliances
• Health and Care

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