



The DNA of tech.®

Proximity Sensor in Compact 2.0 mm x 1.0 mm x 0.5 mm SMD Package

Featuring a VCSEL and Smart Dual I²C Slave Address, Device Offers Idle Current Down to 5 μ A

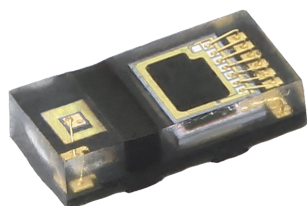


ADVANTAGE

Fully integrated proximity sensor designed to increase efficiency and performance in battery-powered consumer applications, including TWS earphones and VR / AR headsets

KEY PRODUCT FEATURES

- ✓ Vertical-cavity surface-emitting laser (VCSEL) with a 940 nm peak wavelength and no visible “red-tail”
- ✓ Sunlight cancellation up to 140 klx
- ✓ Combines a photodiode, application-specific integrated circuit (ASIC), 16-bit ADC, and smart dual I²C slave address
- ✓ 200 mm operating range and typical rated supply voltage of 1.8 V
- ✓ Intelligent cancellation reduces cross-talk



MARKETS AND APPLICATIONS



CONNECTIVITY

- Mobile devices



CONSUMER

- Entertainment
- Appliances
- Health and care



INDUSTRIAL

- Drives and tools
- Infrastructure
- Home and building controls



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- Computer
- Peripherals



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RESOURCES



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