



The DNA of tech.™

Miniaturized IR Sensor Modules for Code Learning Applications

Pin to Pin Compatible, Higher Performing Replacements for Previous-Generation Devices



ADVANTAGE

Modulated carrier output for code learning applications in new in-house designed IC assures long term availability and reduced lead times

KEY PRODUCT FEATURES

- ✓ Wide supply voltage range from 2.0 V to 5.5 V and 50 % lower power consumption (0.35 mA at 3.3 V)
- ✓ Typical irradiance of 12 mW/m² and transmission distance of 1.8 m typical with a single TSAL6200 emitter
- ✓ A smaller bandwidth from 30 kHz to 60 kHz for better noise robustness
- ✓ Higher ESD withstand capability to the 12 kV human body model



MARKETS AND APPLICATIONS



CONSUMER

- Entertainment - TVs, set-top boxes (STB), sound bars, gaming consoles



INDUSTRIAL

- Industrial drives and tools - robotics in warehouses

ADDITIONAL BENEFITS

- Improved performance under strong DC light
- The surface-mount TSMP95000 and TSMP96000 are offered in Heimdall and Panhead packages, respectively, while the leaded TSMP98000 features a Minicast package
- The sensor modules are RoHS-compliant, halogen-free, and Vishay Green
- Single- and dual-lens devices in Heimdall, Panhead, and Minicast packages
- Offer TTL and CMOS compatibility

RESOURCES



[Order Samples](#)

[TSMP96000](#)



[Product Page](#)

[TSMP95000](#)



[Product Page](#)

[TSMP98000](#)



[Product Page](#)



[Contact Us](#)



[Infographics](#)



[Related Documents](#)