



The DNA of tech.®

Upgraded IR Receiver Modules with New In-House IC

Drop-in replacements for existing solutions with low current consumption of 0.45 mA



ADVANTAGE

Improved ESD robustness and performance under strong DC light, wider voltage range from 2.0 V to 5.5 V, 20 % higher dark-ambient sensitivity.

KEY PRODUCT FEATURES

- ✓ Photodetector, preamplifier circuit, and IR filter in a single minicast package.
- ✓ Peak sensitivity: 940 nm (TSSP5xx)
- ✓ Angle of half transmission: $\pm 45^\circ$
- ✓ High ESD withstand capability to 12 kV
- ✓ Provide drop-in, plug and play replacements for existing devices in the series
- ✓ Operating temperature range: -25°C to $+85^\circ\text{C}$



MARKETS AND APPLICATIONS



CONSUMER

- Entertainment



INDUSTRIAL

- Automation

ADDITIONAL BENEFITS

- TSOP18xx and TSOP58xx series offer increased robustness against disturbances such as IR emissions from different kind of lamps, insensitive to supply voltage variations and ripple noise, and available with six automatic gain control (AGC) versions for short and long burst codes
- TSSP5xx series: fixed-gain, long range proximity and presence sensing to 2 m
- TSSP580xx can be paired with the TSAL6200 emitter for light barrier applications to 8 m

RESOURCES



[Order Samples](#)



[Product Page](#)



[Product Page](#)



[Contact Us](#)



[Application Notes](#)