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IR Receiver Modules for Remote Control Systems

# Mitigate Supply Risk and Improve Performance With New In-House Designed IC

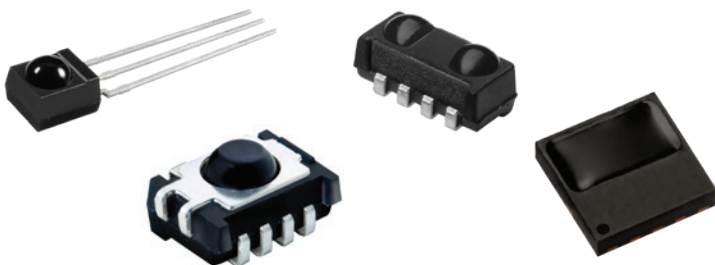


## ADVANTAGE

Top performance at low current consumption, improves robustness against ESD and direct sunlight

## KEY PRODUCT FEATURES

- ✓ 50 % lower current consumption than the original receivers, down to 0.35 mA typ., over a wider voltage supply range from 2.0 V to 5.5 V
- ✓ High ESD withstand capabilities to 12 kV (human-body model) provide increased reliability
- ✓ Less noise on the DC compensation stage under strong sunlight (outdoor), 100 % improvement at 10 W/qm DC irradiance



## RESOURCES



Order Samples



Product Page



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Related Documents

## MARKETS AND APPLICATIONS



### CONSUMER

- Entertainment - TVs, STBs, gaming systems

## ADDITIONAL BENEFITS

- Single epoxy package - Mold ([TSOP2xxx](#) and [TSOP4xxx](#)), Belobog ([TSOP57xxx](#)), Panhead ([TSOP6xxx](#)), and Heimdall ([TSOP77xxx](#))
- Carrier frequencies: 30 kHz to 56 kHz
- Offer designers plug and play replacements for the original receiver modules
- The devices' lower current consumption and wider voltage supply range increase battery life in mobile consumer electronics, such as robotic vacuum cleaners
- The receivers' increased robustness under direct sunlight results in improved performance for outdoor applications like garage door light barriers