

With photoreceivers, the photodiode is followed by a low-noise, linear, ...

We demonstrate a fabrication-friendly, low-loss monolithic InGaAlAs/InP optical receiver featuring an inverse-designed wavelength division multiplexer (WDM) and

This design note outlines the characteristics of the MAX3991 LOS detector, and describes how to set the optical assert power in a 10Gbps receiver for a specified BER. A method for ...

Here, we propose and demonstrate an implementation of a transmission system with exceptional performance in terms of receiver sensitivity ...

This application note provides an in-depth analysis of the complete receiver optical sensitivity and the potential power penalties related to the accumulation of random noise and inter-symbol interference ...

In this work, a compact low-power optical receiver that scales well with technology has been designed to explore the potential of optical signaling for future chip-to-chip and on-chip communication.

Compact pigtailed microwave package consisting of an InGaAs/InP photodiode and a transimpedance amplifier with low electrical return loss for improved link performance.

Discover the key differences between receiver sensitivity and minimum receiver power, and learn how these metrics influence optical transceiver selection, signal integrity, and link ...

Ultra-low noise 2 kHz photoreceiver for direct detection of optical powers between 100 fW and 10 nW. Femtowatt (ultra low noise min. NEP 0.7fW/√Hz), variable gain (10E3 to 10E11 V/W) and fixed gain ...

With photoreceivers, the photodiode is followed by a low-noise, linear, high-bandwidth amplifier. Characteristics of amplified photoreceivers include usability at low optical power levels (hundreds of ...

Here, we propose and demonstrate an implementation of a transmission system with exceptional performance in terms of receiver sensitivity (0.9 photons per bit) using a standalone...

We present the design and performance of a low-cost, reciprocal, compact free-space terminal employing tip/tilt pointing compensation that enables optical two-way time-frequency transfer over ...



Low Loss Optical Receiver

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