

Learn how transimpedance amplifiers convert current to voltage, where they're used, and what to consider when designing one.

Combining Excelitas' high-performance Si APD with a discrete transimpedance amplifier (TIA) in a TO-8 can, these receivers provide the highest available level of ...

In this article, we design a TIA in 28-nm CMOS technology while targeting the following specifications: power consumption 15mW. The choice of the noise and gain values becomes clear after we delve ...

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In this first stage of signal conditioning, a transimpedance amplifier (TIA) converts the photocurrent into an output voltage swing right across the required dynamic input range of light...

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In this series of blog posts, I will show you how to compensate a TIA and optimize its noise performance. For a quantitative analysis of a TIA's key parameters, such as bandwidth, stability and noise, please ...

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