

Price list for high-precision transimpedance amplifiers for data center interconnects



Article Overview

High-precision transimpedance amplifiers for data center interconnects are available from leading distributors like Mouser, Digi-Key, and GoPhotonics, with prices typically ranging from tens to hundreds of USD per unit depending on speed, gain, and features.

Overview of Available TIAs

Mouser Electronics offers a wide selection of TIAs from manufacturers such as Analog Devices, Texas Instruments, and others, with parametric filters to select devices by gain, bandwidth, and noise performance. Pricing is displayed per unit and varies with quantity, and tariffs may apply depending on shipping location . For example, the Analog Devices ADA4356 is a low-noise, wide dynamic-range TIA module suitable for high-speed optical measurements, supporting 20 ns pulse widths and programmable gain . Texas Instruments provides a dedicated TIA product line with datasheets and design resources, allowing selection based on bandwidth, input current range, and noise specifications . These devices are optimized for high-speed optical communication and data center interconnect applications. Digi-Key lists TIAs including instrumentation amplifiers, buffer amplifiers, and transconductance amplifiers, which are suitable for precision current-to-voltage conversion in photodiode-based systems. Prices vary depending on performance and packaging . GoPhotonics catalogs 69 TIAs from six manufacturers, including devices for 2.5 Gb/s...

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Transimpedance amplifier

The transimpedance amplifier presents a low impedance to the sensor and isolates it from the output voltage of the operational

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Transimpedance Amplifiers | Delivering World Class Linear ...

Powering the fastest networks on the planet: Marvell's transimpedance amplifiers (TIAs) ushered in the era of 100G and 200G

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How does this Precision, High-Speed Transimpedance Amplifier work?

I am confused by the equivalent circuit of the OPA380, a precision Transimpedance Amplifier from Texas Instruments.

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Transimpedance Amplifiers - Mouser India

Transimpedance Amplifiers are available at Mouser Electronics. Mouser offers inventory, pricing, & datasheets for Transimpedance

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Optical Transimpedance Amplifiers | Renesas

Data Center & Short-Reach Low-power transimpedance amplifiers, with integrated post-amplifier (TIA+PA), provide high

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Transimpedance Amplifiers Market Size, Share | Global Research

The Transimpedance Amplifiers Market Research Report highlights that over 68% of hyperscale data centers in the

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Transimpedance amplifiers product selection | TI

Select from TI's Transimpedance amplifiers family of devices. Transimpedance amplifiers parameters, data sheets, and design

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Transimpedance Amplifiers | RS

Shop our range of Transimpedance Amplifiers supplies & accessories. Browse our latest Transimpedance Amplifiers offers.

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Transimpedance Amplifiers – Mouser

Mouser offers inventory, pricing, & datasheets for Transimpedance Amplifiers.

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Low Noise Transimpedance Amplifiers

This higher speed FC optical input model features low-noise 300 to 1050 nm Silicon detectors, variable-gain transimpedance

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Transimpedanzverstärker – Mouser Deutschland

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Transimpedance Amplifiers

A Transimpedance Amplifier is an electronic circuit that converts a current input signal from a photodetector into an output voltage.

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CURRENT/TRANSIMPEDANCE AMPLIFIERS

CURRENT/TRANSIMPEDANCE AMPLIFIERS Ultra-Low-Noise Amplifiers For High-Speed Precision Measurements CURRENT

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Transimpedance Amplifiers | RS

Transimpedance Amplifiers A transimpedance amplifier (TIA) is a current to voltage converter which is used to amplify the current

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Transimpedance amplifier

Find your transimpedance amplifier easily amongst the 15 products from the leading brands (Gigahertz Optik, Newtons4th, Analog

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Transimpedance Amplifiers | TZA | TIA

These transimpedance amplifiers are current to voltage converters that are particularly useful for the measurement of current from

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Transimpedance amplifiers | TI

Our high-bandwidth transimpedance amplifier (TIA) portfolio includes devices with variable gain settings, fast recovery time, internal

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Transimpedance Amplifiers – Mouser United Kingdom

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lecture13_ee620_tias

Lecture 13: Transimpedance Amplifiers (TIAs) Sam Palermo Analog & Mixed-Signal Center Texas A& M University

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The Design of a Transimpedance Amplifier [The Analog Mind]

High-speed transimpedance amplifiers (TIAs) serve in the front end of optical communication receivers (RXs). Despite or because of

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Transimpedance Amplifier [Circuit Intuitions]

Transimpedance Amplifier Welcome to the 24th article in the “Circuit Intuitions” column series. As the title suggests, each article

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Texas Instruments Transimpedance Amplifiers – Mouser

Texas Instruments Transimpedance Amplifiers are available at Mouser Electronics. Mouser offers inventory, pricing, & datasheets for

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What Is a Transimpedance Amplifier (TIA)? The Heartbeat of Optical ...

This component is the Transimpedance Amplifier (TIA). Often called the “first stage” of an optical receiver, the TIA's

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Transimpedance Instrumentation, Op Amps, Buffer Amps

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Optical Interconnects for Data Centers Abstract Key words VCSEL

Optical Interconnects for Data Centers 1 Abstract High-speed electronic circuits are crucial to the success of optical interconnects.

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Transimpedance Amplifiers (TIAs) | Semtech

Overview Transimpedance Amplifiers (TIAs) Transimpedance Amplifiers (TIAs) Semtech offers a broad portfolio of fully integrated

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Search results for: transimpedance amplifier – Mouser

Transimpedance Amplifiers (127) Operational Amplifiers - Op Amps (8) High Speed Operational Amplifiers (7) Logarithmic Amplifiers

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Microsoft PowerPoint

ECEN689: Special Topics in Optical Interconnects Circuits and Systems Spring 2022 Lecture 5: Transimpedance Amplifiers (TIAs)

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Transimpedance Amplifiers (Gated) | SIMTRUM Photonics Store

These ranges of transimpedance amplifiers are particularly useful for the measurement of current from photodiodes. Use the table

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Transimpedance Amplifier

Find Transimpedance Amplifier related suppliers, manufacturers, products and specifications on GlobalSpec - a trusted source of

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Transimpedance Amplifiers (TIA) | Analog Devices

Analog Devices' optical and logarithmic transimpedance amplifiers (TIAs) offer high performance, single-chip solutions for precise

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Transimpedance Amplifiers – Mouser Europe

Transimpedance Amplifiers are available at Mouser from leading manufacturers. Mouser is an authorized distributor for many

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Selection Table for Transimpedance Amplifiers (TIA) | Parametric

Analog Devices' Selection Table for Transimpedance Amplifiers (TIA) lets you add, remove, and configure parameters to display;

Contact Us

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