

Price List for New Transimpedance Amplifiers for Backbone Networks

Article Overview

Transimpedance amplifiers for backbone networks are available from distributors like Mouser and TRX Electronics, with prices varying by manufacturer, data rate, and packaging.

Overview of Available TIAs

Mouser Electronics offers a wide selection of transimpedance amplifiers from manufacturers such as Analog Devices and Texas Instruments, with pricing that depends on quantity and specific part numbers. TIAs suitable for optical networking applications, including 1G to 100G systems, are available with features like variable gain, fast recovery, and fully differential outputs . Pricing can be filtered by unit cost on the Mouser website, and tariffs may apply depending on shipping location . TRX Electronics provides online pricing and ordering for TIAs, allowing customers to check current costs and availability for backbone network applications . This platform is useful for obtaining quotes for bulk orders or specific high-speed optical modules. MACOM offers RF transimpedance amplifiers supporting data rates up to 43 Gb/s, optimized for optical fiber communications. While exact pricing is typically provided via quote requests, MACOM's portfolio is suitable for high-speed backbone networks . DigiKey also lists TIAs along with other amplifier types, including operational, instrumentation, and buffer amplifiers. Prices vary by model, and the site provides datasheets and inventory for immediate purchase .

Factors Affecting Price

- o Data Rate and Bandwidth: Higher-speed TIAs (e.g., 25G, 40G, 100G) generally cost more due to advanced design and packaging.
- o Manufacturer and Brand: Premium brands like Analog Devices, Texas Instruments, and MACOM may have higher unit prices.
- o Packaging and Integration: Integrated multi-channel TIAs or devices with additional features (current clamps, ambient light calculation) can increase cost.
- o Order Quantity: Bulk purchases often reduce per-unit cost.
- o Shipping and Tariffs: International shipping may include tariffs (e.g., 10-40% for the U.S.) affecting final price .

How to Obtain Pricing

- o Visit Mouser Electronics: Filter by TIA specifications and quantity to view unit prices and datasheets .
- o Visit TRX Electronics: Check online pricing and request quotes for specific models .
- o Contact MACOM or Texas Instruments sales representatives for high-speed optical networking TIAs to receive custom quotes for backbone network applications . By comparing these sources, you can obtain a comprehensive price list for new transimpedance amplifiers suitable for backbone network deployment.



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

While we used to call this a "current-to-voltage converter," which it is indeed, it's also sometimes referred to as a "transimpedance

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Transimpedance Amplifiers Market Overview The global Transimpedance Amplifiers Market size estimated at USD

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

The portfolio includes transimpedance amplifiers (TIAs) supporting data rates up to 43 Gb/s for optical fiber communications

Shop DigiKey's large in-stock selection of Instrumentation, Op Amps, Buffer Amps. View inventory, pricing and order now for same

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

RF Transimpedance Amplifiers The portfolio includes transimpedance amplifiers (TIAs) supporting data rates up to 43 Gb/s for

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The designed TIA achieves a transimpedance gain of 71 dBn over a DC-2 GHz bandwidth. It maintains an equivalent input noise

This chapter examines some representative transistor-level transimpedance amplifier (TIA) circuits taken from the

The Multi-Channel Transimpedance Amplifier market projects robust growth at a 9.5% CAGR, reaching \$1.5

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

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