

Brazilian OEM Transimpedance Amplifier 200G



Overview

The TIA provides linear, low noise amplification from 0. The trans-impedance is controlled from 150 to 4k Ω via an external pad and the gain is automatically adjusted to provide a constant output voltage swing. The MATA-05819B Linear TIA is intended for 50G, 100G, 200G and 400G receivers using multilevel modulation such as PAM4. More data per optical symbol compared to older technologies Powering the fastest networks on. Transimpedance amplifiers are available at Mouser Electronics from industry leading manufacturers. Please view our selection of transimpedance amplifiers below Smart. Analog Devices' optical and logarithmic transimpedance amplifiers (TIAs) offer high performance, single-chip solutions for precise photodiode current-to-voltage conversion. The single ended input stage is required for applications where the current source is inherently grounded externally.



Article Content

Dec 06, 2025

Transimpedance Amplifiers (TIA)

Transimpedance Amplifiers Coherent TIA's are designed to achieve the best possible optical transceiver performance at low power consumption. All our TIA's have been fully tested production grade optical

Jun 17, 2026

Transimpedance Amplifiers (Gated) | SIMTRUM

These ranges of transimpedance amplifiers are particularly useful for the measurement of current from photodiodes. Use the table below to find a device

Nov 11, 2025

FEMTO®

Brief description The HCA series consists of transimpedance amplifiers for measuring small currents with bandwidths in the MHz range. They have fixed

Mar 16, 2026

High Speed Transimpedance Amplifier

These amplifiers have a particularly high bandwidth of 10MHz allowing monitoring of high frequency noise components of many light sources. The TZA200 series is insensitive to electromagnetic

Feb 21, 2026

32 Gbaud Quad-Channel, High Gain, Linear Transimpedance

Description The IN3254TA is a quad-channel, high gain, differential linear transimpedance/ variable-gain amplifier (TIA/ VGA) for 100G and 200G coherent detection receivers for metro and long haul networks.

Mar 09, 2026

Transimpedance Amplifiers – Mouser

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

Jul 16, 2025

MATA-05819B

MATA-05819B Linear 53 Gbaud PAM4 Transimpedance Amplifier (TIA) The MATA-05819B Linear TIA is intended for 50G, 100G, 200G and 400G receivers using multilevel modulation such as PAM4. The

May 30, 2026

Low Noise, High Gain, GaAs FET Transimpedance Amplifier

DESCRIPTION: The 312B Series are ultra low noise, high gain, GaAs FET amplifiers designed for low level current source input applications in which high gain is required.

Apr 20, 2026

Transimpedance Amplifiers (TIA) | Analog Devices

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

Mar 27, 2026

CURRENT/TRANSIMPEDANCE AMPLIFIERS

DLPCA-200 Variable Gain Low-Noise Current Amplifier Variable transimpedance gain from 103 to 1011 V/A Input noise down to 4.3 fA/√Hz Bandwidth up to 500 kHz Rise time down to 700 ns

May 21, 2026

Transimpedance Amplifiers | Marvell Featured Products

Marvell's transimpedance amplifiers (TIAs) ushered in the era of 100G and 200G networking and continues its market leadership with 400G, 800G, and beyond.

Sep 14, 2025

112 Gbaud Quad-Channel Single-Ended Input Linear Transimpedance ...

Description The CB11269TA is a quad-channel, single-ended input linear transimpedance/variable-gain amplifier (TIA/VGA) for 200G/Lane optical receivers.

May 21, 2026

Transimpedance Amplifiers (TIAs) | Semtech

Overview Transimpedance Amplifiers (TIAs) Transimpedance Amplifiers (TIAs) Semtech offers a broad portfolio of fully integrated BiCMOS and pure CMOS

Jul 15, 2025

Transimpedance amplifiers | TI

Our high-bandwidth transimpedance amplifier (TIA) portfolio includes devices with variable gain settings, fast recovery time, internal input protection and fully differential outputs that are optimized for a wide

Oct 08, 2025

High Speed Transimpedance Amplifier

The TZA200 amplifier employs precision single ended transimpedance input stages to provide for low offset and high linearity throughout the full dynamic range. The single ended input stage is required

Apr 04, 2026

Wide Dynamic Range Transimpedance Amplifier

MEASUREMENT PRINCIPLE This TZA400 series of amplifiers employs precision single ended transimpedance input stages to provide for low offset and high linearity throughout the full dynamic

Apr 05, 2026

TZA200 Information sheet

The TZA200 series is insensitive to electromagnetic interference by de-sign, an important factor when working in „dirty“ industrial environments. These units are provided in OEM-style enclosures. The

Jul 24, 2025

Transimpedance Amplifiers – Mouser

Transimpedance amplifiers are available at Mouser Electronics from industry leading manufacturers. Mouser is an authorized distributor for transimpedance amplifier manufacturers including Analog

Aug 02, 2025

Transimpedance Amp TZA200

These amplifiers have a particularly high bandwidth of 10MHz allowing monitoring of high frequency noise compo-nents of many light sources. The TZA200 series is insensitive to electromagnetic interfe

Jul 04, 2025

MATA-05819B

The MATA-05819B Linear TIA is intended for 50G, 100G, 200G and 400G receivers using multilevel modulation such as PAM4. The TIA provides linear, low noise amplification from 0.1 to 3mA, and has

May 12, 2026

Transimpedance Amplifiers (TIAs) | Semtech

Transimpedance Amplifiers (TIAs) Semtech offers a broad portfolio of fully integrated BiCMOS and pure CMOS transimpedance amplifiers (TIAs) providing wideband,

Aug 16, 2025

Transimpedance Amplifier - TZA200

The output impedance of an amplifier is an important factor when dealing with fast signals. The speed of the TZA200 is fast enough for this parameter to be relevant.

Sep 13, 2025

OFC 2025: TeraSignal first with 4x200G intelligent TIA

TeraSignal, has launched the TS9801/02, which it claims is the world's first quad 200G PAM-4 linear Transimpedance Amplifier (TIA) with TSLink™

Oct 06, 2025

34-GBd Linear Transimpedance Amplifier for 200-Gb/s DP

Request PDF | 34-GBd Linear Transimpedance Amplifier for 200-Gb/s DP-16-QAM Optical Coherent Receivers | High spectral efficiency offered by the coherent optical communication

Jan 05, 2026

FEMTO®

FEMTO® - DLPCA-200 switchable and highly versatile amplifier. Universal transimpedance amplifier for broad range of applications

Sep 11, 2025

Transimpedance Amplifiers | Delivering World Class

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

Oct 02, 2025

Transimpedance Amplifier

The ms81000 is a high-performance single ended 56GBaud linear TIA/variable gain amplifier suitable for 100GB/s PAM4 transceivers. The ms81000 can operate in

Contact Us

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