

400G Transimpedance Amplifier for Nordic Airports



Overview

The TZA400 is a fast, sensitive, wide dynamic range transimpedance amplifier for measuring the current output of a variety of sources. There are 16 gain ranges covering 5 decades of gain in a 1-2-5 pattern. More data per optical symbol compared to older technologies Powering the fastest networks on. Coherent's portfolio of high-speed transimpedance amplifiers (TIAs) delivers best-in-class signal integrity, high programmable gain, and exceptional power efficiency for optical interconnects ranging from 56Gbps to 224Gbps per channel. Together with a PIN detector, the HXR45100 can be used to design a compact linear. The MATA-05819B Linear TIA is intended for 50G, 100G, 200G and 400G receivers using multilevel modulation such as PAM4. 1 to 3mA, and has a nominal BW of 30GHz. Ordering functionality and fulfillment provided by Digi-Key Corporation. OFC 2026. The Broadcom® BCM87416 is a high-performance, low-power, single-chip 400GbE PAM-4 transceiver PHY capable of directly driving four lanes of 106-Gb/s PAM-4 at 53 Gbaud, while supporting DR4/FR4/LR4 optical links.



Article Content

Hot

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

Aug 26, 2025 Hot

Transimpedance Amplifier TZA400

Our offer in detail: The TZA400 is a fast, sensitive, wide dynamic range transimpedance amplifier for measuring the current output of a variety of sources. There are 16 gain ranges covering 5 decades of

Dec 04, 2025 Hot

GN1089 | High-performance low-noise linear 56Gbd TIA | Semtech

GN1089 is a single channel high performance, low noise linear transimpedance amplifier (TIA) for 56GBd 100G and 400G PAM4 optical networking modules.

Oct 10, 2025 Hot

Marvell 56 Gbaud Quad-Channel, Single-Ended Input, Linear ...

It has extremely low input referred noise current density and provides linear amplification. The IN5664TA provides an RSSI function to monitor and report average optical input power. The IN5664TA

Mar 29, 2026 Hot

BCM87416 Product Brief

The BCM87416 leverages market-leading PAM-4 transceiver PHY technology platform and represents the industry's first monolithic 400G PAM-4 PHY with integrated transimpedance amplifier (TIA) and

Jul 12, 2025 Hot

Coherent Introduces 100G Transimpedance Amplifiers For 400G

Coherent Introduces 100G Transimpedance Amplifiers For 400G/800G Optical Transceivers Saxonburg, PA (GLOBE NEWSWIRE) - Coherent Corp. (NYSE: COHR), a global

Nov 28, 2025 Hot

Transimpedance Amplifiers (TIA)

High-performance TIAs for next-generation optical receivers. Coherent's portfolio of high-speed transimpedance amplifiers (TIAs) delivers best-in-class signal

Dec 26, 2025 Hot

Coherent Introduces High-Performance 100G

Coherent Corp. has introduced a 56 Gbaud PAM4 transimpedance amplifier (TIA) for 400G/800G optical transceivers. The CHR1065 product family

Jan 18, 2026 Hot

FEMTO®

The LCA series consists of transimpedance amplifiers for measuring very small currents with bandwidths in the kHz range. They have a fixed gains and are

Aug 11, 2025 Hot

Coherent Introduces 100G Transimpedance Amplifiers

Designed for next-generation 400G and 800G optical transceivers, this new CHR1065 product family combines outstanding performance with practical

Aug 19, 2025 Hot

Transimpedance Amplifier (TIA) Design for 400 Gb/s Optical Fiber ...

A 100 Gb/s transimpedance amplifier (TIA) for optical receiver front end is designed in this work. To achieve wide bandwidth and low group delay variation a differential TIA with active feedback network

Apr 16, 2026 Hot

56Gbaud Linear PAM4 Transimpedance Amplifier and VCSEL Driver

A linear 56Gbaud PAM4 transimpedance amplifier (TIA) and a VCSEL-based driver are presented in this paper. It can meet the requirements of emerging 400G Etherne.

May 07, 2026 Hot

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

Oct 02, 2025 Hot

Coherent Introduces 100G Transimpedance Amplifiers for 400G/800G ...

Designed for next-generation 400G and 800G optical transceivers, this new CHR1065 product family combines outstanding performance with practical system-level advantages.

Nov 23, 2025 Hot

HXR45100

Together with a PIN detector, the HXR45100 can be used to design a compact linear Receiver Optical Sub-Assembly (ROSA) for the next-generation 400G optical

Jan 20, 2026 Hot

Transimpedance Amplifier TZA400

The transimpedance amplifier TZA400 was developed for precise measurement of current in the range from pA to mA.

Sep 22, 2025 Hot

TZA400 Information sheet

Our offer in detail: The TZA400 is a fast, sensitive, wide dynamic range transimpedance amplifier for measuring the current output of a variety of sources. There are 16 gain ranges covering 5 decades of

Aug 23, 2025 Hot

Coherent Introduces 100G Transimpedance Amplifiers for 400G/800G ...

Coherent Corp. announced the addition of the 56 Gbaud PAM4 transimpedance amplifier (TIA) to its open-market ASIC portfolio. Designed for next-generation 400G and 800G optical

Aug 12, 2025 Hot

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

Jan 21, 2026

Contact Us

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