

Direct Sales Transimpedance Amplifier QSFP



Article Overview

QSFP-compatible transimpedance amplifiers (TIAs) are available from multiple vendors, offering high-speed, low-power, multi-channel solutions for 100G to 400G optical transceivers.

Key Products and Features

fjscaler Inc. offers high-frequency, low-power linear TIAs optimized for QSFP-DD and OSFP form factors. Their FJS1001 is a dual-channel, 64GBd differential linear TIA with a variable gain amplifier (VGA) and output buffer, featuring independent channel control and low 495mW power dissipation, suitable for short-reach optical interconnects and silicon photonics applications . Credo Technology provides the Teal 200, a quad-channel 4 × 50Gbps TIA for QSFP56, QSFP-DD, and OSFP modules. It supports 200Gbps SR4/DR4/FR4 and 400Gbps SR8/DR8/FR8 applications using 50Gbps PAM-4 modulation, with backward compatibility for 4 × 25Gbps NRZ operation. The Teal 200 emphasizes low power dissipation, making it ideal for AI and hyperscale data center deployments . Texas Instruments (TI) offers a broad portfolio of high-bandwidth TIAs with variable gain, fast recovery, internal input protection, and fully differential outputs. TIAs are available in integrated multi-channel configurations or individual high-bandwidth amplifiers optimized for optical networking, LIDAR, and time-of-flight systems, supporting 1G to 100G optical modules . Mouser Electronics distributes TIAs from leading manufacturers including Analog Devices and TI, providing datasheets, pricing, and inventory for direct purchase

Article Content

Jan 30, 2026

QSFP-DD CONNECTORS & CABLE ASSEMBLIES PRODUCT

The QSFP-DD portfolio's backwards compatibility allows existing QSFP modules to be plugged into QSFP-DD ports. Our QSFP-DD

Jul 01, 2026

Transimpedance Amplifier Circuit Examples

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

Jun 01, 2026

Transimpedance Instrumentation, Op Amps, Buffer Amps

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

Nov 21, 2025

QSFP, QSFP+, SFP, SFP+ transceiver modules and DAC, AOC cables

QSFPs is a professional manufacturer and web-base direct sales company focused on optical interconnect products including

Apr 26, 2026

Transimpedance Amplifier

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

Sep 08, 2025

Transimpedance Amplifiers Suppliers

Find 29 Transimpedance Amplifiers suppliers with GlobalSpec. Our catalog includes 106,483 manufacturers, 20,794 distributors and

Aug 27, 2025

Monolithic Transimpedance Amplifier for On-Chip Light Monitoring in ...

We present a transimpedance amplifier for on-chip optical power monitoring monolithically integrated into a pure

Apr 14, 2026

Credo Reveals New Quad Channel Transimpedance Amplifier

Credo Technology, an innovator in secure, high-speed connectivity solutions that deliver the necessary energy

Jun 22, 2026

Transimpedance Amplifiers

Current-to-Voltage Amplifier for use with Photodiode-Based Detectors.
Transimpedance Amplifiers, Standalone Devices with Data

Nov 29, 2025

MACOM Extends Transimpedance Amplifier Portfolio Covering 100G

Linear 53 GBaud PAM4 MATA-05817 TIA delivers industry-leading low noise performance while supporting

Aug 09, 2025

QSFP Modules: Complete Transceiver Guide | Ascent Optics

Learn what a QSFP module is, how QSFP+, QSFP28, QSFP56, and QSFP-DD differ, and how to choose the right

May 02, 2026

Credo intros Quad Channel Transimpedance Amplifier

Credo Technology Group announced the availability of Teal 200, a 4 x 50Gbps Transimpedance Amplifier (TIA) for

Aug 20, 2025

Transimpedance amplifier

Find your transimpedance amplifier easily amongst the 15 products from the leading brands (Gigahertz

Jul 08, 2026

Transimpedance amplifiers | TI

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

Aug 15, 2025

Transimpedance Amplifiers – Mouser

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

Apr 30, 2026

MACOM Extends Transimpedance Amplifier Portfolio Covering 100G

MACOM Technology Solutions Inc., a leading supplier of semiconductor solutions, today announced availability of two

Feb 17, 2026

Optical Transceiver: QSFP+

Learn more about the Transceiver QSFP+ and its available modules now. You can request information about the Transceiver QSFP+

Sep 03, 2025

FiberEdge® for 400G and 800G Data Center Applications | Semtech

Semtech Announces Availability of Reduced Channel Pitch FiberEdge® Linear Transimpedance Amplifier for 400G

Oct 05, 2025

Optical Amplifiers Accelink | Lighting Your Dreams

The product has compact size, excellent optical parameter and built-in control circuit, which can be directly installed on port of switch

Oct 30, 2025

Credo Introduces Quad Channel Transimpedance Amplifier for Optical ...

Works with both 850nm and 1310nm PIN photo diodes Captive photo diode interface Automatic or Manual Gain

Sep 21, 2025

Credo Introduces Quad Channel Transimpedance Amplifier for Optical ...

Credo Introduces Quad Channel Transimpedance Amplifier for Optical Transceivers and Active Optical Cables.

Dec 13, 2025

Cisco QSFP-DD OLS

The Cisco QSFP-DD amplifier module is a networking device designed to meet the demands of high-speed, long-distance data

Mar 16, 2026

Transimpedance Amplifiers – Mouser Europe

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

Jul 06, 2026

What is QSFP & QSFP+ Transceiver: An Ultimate Guide

What is a QSFP & QSFP+ Transceiver? QSFP stands for Quad Small Form-factor Pluggable. By integrating four-lane

May 25, 2026

Transimpedance Amplifiers Market Size, Growth, Forecast Till 2032

The Transimpedance Amplifiers Market is expected to grow from USD 0.57 Billion in 2025 to USD 0.90 Billion by 2032, at a CAGR of

Contact Us

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