

Compatible Low-Temperature Transimpedance Amplifiers from Indian Suppliers



AI Overview

Low-temperature compatible transimpedance amplifiers (TIAs) are available from Indian suppliers such as Mouser India, NeoGiga India, and RS Components, featuring ICs from Texas Instruments, Analog Devices, and Linear Technology suitable for precision low-level signal detection.

Key Suppliers and Options

- 1. Mouser India** Mouser India stocks a wide range of transimpedance amplifiers from leading manufacturers including Texas Instruments, Analog Devices, and Linear Technology. Their catalog allows filtering by parameters such as bandwidth, input bias current, and gain, which are critical for low-temperature applications. Datasheets are available for each IC to verify operating temperature ranges and suitability for cryogenic or low-temperature environments.
- 2. NeoGiga India** NeoGiga India specializes in low-noise, high-speed TIAs for photodiodes, optical sensors, medical devices, and precision instrumentation. Popular ICs include OPA380, OPA857, AD8015, AD8606, and LTC6268, which are optimized for ultra-low input bias current, low noise, and high stability—key factors for low-temperature operation. NeoGiga ensures genuine sourcing and offers bulk procurement and express delivery across India.
- 3. RS Components India** RS Components provides a range of TIAs suitable for sensor interfacing and precision current-to-voltage conversion. Their catalog includes ICs with specifications for low-noise amplification and high linearity, which can be cross-checked against manufacturer datasheets for low-temperature compatibility.

Recommended ICs for Low-Temperature Applications

- Texas Instruments OPA380 / OPA857: Low input bias current, high bandwidth, suitable for photodiode amplification.
- Analog Devices AD80...

Article Content

Transimpedance Amplifiers in India | Low-Noise Photodiode & Sensor

Buy Transimpedance Amplifiers (TIAs) at NeoGiga India – low-noise, high-speed amplifiers for photodiodes, optical sensors, medical devices & precision instrumentation.

Transimpedance Amplifier ICs (TIAs) in India | Precision Current-to ...

Buy Transimpedance Amplifier ICs (TIAs) at NeoGiga India – low-noise, high-speed amplifiers for photodiodes, optical sensors, LiDAR & medical instruments. Genuine TI, Analog Devices, Maxim &

Newest Transimpedance Amplifiers – Mouser India

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

Transimpedance Amplifiers Market Research Report 2034

Transimpedance Amplifiers Market valued at \$1,240 million in 2025, projected to reach \$2,535 million by 2034, growing at 8.2% CAGR through 2034.

Note: A temperature-stable low-noise transimpedance

A low-noise transimpedance amplifier with high-temperature stability, which involves an active compensation mechanism to overcome the temperature

Transimpedance Amplifiers

All amplifiers are housed in the same small package and are pin compatible with ARI's PMT series of transimpedance amplifiers. They are a drop in replacement

Transimpedance Amplifiers – Mouser India

Supply Voltage - Max Supply Voltage - Min Operating Supply Current Minimum Operating Temperature Maximum Operating Temperature Mounting Style Package/Case Packaging Transimpedance

Transimpedance Amplifiers Selection Guide: Types, Features ...

Operating temperature is specified by level of the ambient temperature (in °C) in which the amplifier was designed to operate. Data rate is the number of bits per second that the device is capable of moving.

Transimpedance Amplifier

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

Transimpedance Amplifiers | RS

Transimpedance Amplifiers A transimpedance amplifier (TIA) is a current to voltage converter which is used to amplify the current output from different types of sensors to a proportional voltage.

Transimpedance Amplifiers (TIAs) | Semtech

Semtech offers a broad portfolio of fully integrated BiCMOS and pure CMOS transimpedance amplifiers (TIAs) providing wideband, low noise pre-amplification of a current signal from a PIN or APD

Note: A temperature-stable low-noise transimpedance amplifier for ...

A low-noise transimpedance amplifier with high-temperature stability, which involves an active compensation mechanism to overcome the temperature drift mainly caused by high-value

Transimpedance Amplifiers Manufacturers and Suppliers in

Offered in different voltage, current and temperature ratings. Capabilities include training, assembly, testing and packaging. Markets served include automotive, communications, enterprise, appliance,

Transimpedance amplifiers: Reaching high gain, low noise and high ...

One possible application for transimpedance amplifiers are ion mobility spectrometry systems, which rely on detecting separated ion packets to identify various chemical compounds [7, 10]. Alongside the

Transimpedance Amplifiers | RS

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

MSPM0L134x Transimpedance Amplifier (TIA) Empowers Future

The integrated low-leakage transimpedance amplifier (TIA) empowers the MSPM0L134x MCU for cost-effective sensing applications. For example, the integrated transimpedance amplifier (TIA) has a

Low-noise large-bandwidth transimpedance amplifier for measuring ...

In this work, a design of transimpedance amplifier (TIA) for a cryogenic scanning tunneling microscope (CryoSTM) is proposed to meet the requirements of the shot noise measurements for

Transimpedance Amplifiers – Mouser India

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

Microsoft Word

The transimpedance amplifier is developed for photomultiplier tube with high switchable gain and low read out noise. The transimpedance amplifier uses a resistive-tee feedback network to achieve high

Texas Instruments Transimpedance Amplifiers – Mouser India

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

Compatible Low-Temperature Transimpedance Amplifiers from Indian

Transimpedance Amplifier ICs (TIAs) in India | Precision Current-to Buy
Transimpedance Amplifier ICs (TIAs) at NeoGiga India – low-noise, high-speed amplifiers for photodiodes, optical sensors, LiDAR &

Mixed-signal and digital signal processing ICs | Analog

Analog Devices is global leader in the design and manufacturing of analog, mixed signal, and DSP integrated circuits to help solve the toughest engineering

Global Transimpedance Amplifiers Market Size, Share, Growth Trends ...

Transimpedance Amplifiers Market Overview The transimpedance amplifiers (TIAs) market represents a critical segment within the broader electronics and instrumentation ecosystem,

Contact Us

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