Warranty for SFP Transimpedance Amplifier



Overview

2.7Gbps SFP Transimpedance Amplifiers with RSSI This feature centers the input signal within the transimpedance amplifier's linear range, thereby reducing.

Key Takeaways

Warranty coverage depends on whether the SFP transimpedance amplifier is part of a pluggable module or a standalone IC, with Cisco SFP modules offering a 5-year limited warranty and TI ICs disclaiming all warranties beyond their terms of sale.

SF

P Modules (e.g., Cisco)For SFP transimpedance amplifiers integrated into Cisco pluggable modules, the warranty is typically a 5-year limited hardware warranty for product families including SFPFE, SFPOCX, SFPGE, SFP10G, X2, SFP25G, QSFP40G, QSFP100, and QDD400G. This warranty covers defects in materials and workmanship under normal use and is effective for products purchased on or after September 7, 2020. Products purchased before this date are covered under the warranty terms in effect at the time of shipment.

Warranty claims are generally processed through Cisco's support channels, often requiring the serial number of the connected device to validate coverage.



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Standalone Transimpedance Amplifier I

Cs (e.g., TI ONET8551T, MAX3744/MAX3745)For standalone transimpedance amplifier ICs, such as the TI ONET8551T or Maxim MAX3744/MAX3745, the warranty situation differs: Texas Instruments (TI) explicitly disclaims all warranties, express or implied, including merchantability, fitness for a particular purpose, or non-infringement.

T

I provides datasheets, design resources, and technical information “as is” and places responsibility on the user to validate the IC for their application. Maxim Integrated devices like the MAX3744/MAX3745 are guaranteed to operate within specified temperature ranges (e.g., –40°C to +85°C), but stresses beyond the absolute maximum ratings may cause permanent damage. Functional operation outside the specified conditions is not implied, and warranty coverage is limited to compliance with operational specifications.

Key ConsiderationsSFP modules: Warranty is tied to the module and often to the connected device; coverage is limited to defects under normal use.

Standalone I

Cs: Warranty is minimal or disclaimed; users must ensure proper design, testing, and compliance with operational limits. Claims: For modules, warranty claims typically require serial numbers and may involve opening a support case with the manufacturer.

For I

Cs, warranty claims are generally limited to replacement under terms of sale, if any. In summary, SFP transimpedance amplifiers in pluggable modules have formal warranty coverage, while standalone ICs rely on user validation and have limited or no warranty beyond the manufacturer's terms of sale.

Article Content

2.7Gbps SFP Transimpedance Amplifiers with RSSI

This feature centers the input signal within the transimpedance amplifier''s linear range, thereby reducing pulse-width distortion caused by large input signals. The DC cancellation circuit is internally com

Warranty

No repair or replacement of any product or part thereof will extend the applicable warranty period for the entire product. The specific warranty for any repair will extend for a period of 90 days

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Warranty Update on Cisco Pluggable Modules Product Bulletin

Effective September 7, 2020, Cisco is offering a 5-year limited hardware warranty on Cisco® pluggable modules of SFPFE, SFPOCX, SFPGE, SFP10G, X2, SFP25G, QSFP40G, QSFP100, and QDD400G

What you need to know about transimpedance amplifiers part 1

In this series of blog posts, I will show you how to compensate a TIA and optimize its noise performance. For a quantitative analysis of a TIA''s key parameters, such as bandwidth, stability and noise, please

Optical Connectivity for AI Infrastructure, Data Center & Telecom

Optimize your AI infrastructure, data center & telecom networks with Optcore. Premier source for high-speed transceivers, DAC/AOC & fiber solutions

Products

The Warranty Finder tool determines the Cisco warranty currently applicable to a product ID or product family. Follow the link and type in your Cisco Product ID (PID).

Crown Warranty Policy | Crown Audio

Access details and documentation of Crown warranty policies for our full product ranges as well as contact details of any necessary support with warranty needs.

FS | Al Infrastructure, Data Center, Enterprise Networking and

The warranty period for #191807, #184513, #110483, #110484, #110485, #110487 is 5 years.

Powersoft factory warranty policy

Powersoft provides the Factory Warranty under the terms and conditions set forth below.

1.25Gbps Transimpedance Amplifier with RSSI in pure CMOS

Product Overview The HLR1G00 is a high sensitivity transimpedance amplifier with automatic gain control manufactured in a low cost, pure CMOS process. The AGC enables over 35 dB of dynamic

2.5 Gbps Transimpedance Amplifier with RSSI in pure CMOS

2.5 Gbps Transimpedance Amplifier with RSSI in pure CMOS CMOS Transimpedance Amplifier suitable for 2.5Gbps APD and PIN Applications

Transimpedance Amplifier

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Transimpedance Amplifier minisilicon provides a variety of transimpedance amplifier (TIA) chip products, which use SiGe technology. It can realize wide-band low-noise preamplification of PIN or APD

1.0625Gbps to 11.3Gbps, SFP+ Dual-Path Limiting Amplifier

General Description The MAX3945 is a +3.3V, multirate, low-power limiting amplifier optimized for Fibre Channel and Ethernet trans-mission systems at data rates up to 11.3Gbps. The high-sensitivity

Technology advances for SFP+ limiting module designs

OVERVIEW By using a high-gain 10-Gbps transimpedance amplifier, SFP+ limiting module designers can eliminate the need for a post-amplifier. This advance reduces costs and power

3.2Gbps SFP Transimpedance Amplifiers with RSSI

The MAX3724/MAX3725 are transimpedance amplifiers designed for up to 3.2Gbps SFF/SFP transceiver mod-ules. A functional diagram of the MAX3724/MAX3725 is shown in Figure 1. The

Optical & IC Products

The GN2539 Tri-Edge CDR is a dual PAM4 CDR with an integrated transimpedance amplifier (TIA) array. This PAM4 CDR includes configurable output equalization enabling robust electrical interfaces

MACOM Introduces New Transimpedance Amplifier Supporting 12G

MACOM''s new MATA-07825 is a high sensitivity TIA enabling SFP+ module vendors to provide 12G-SDI modules which can also support Pathological patterns down to SD rates.

What you need to know about transimpedance amplifiers part 1

What You Need to Know about Transimpedance Amplifiers – Part 1 Samir Cherian Transimpedance amplifiers (TIAs) act as front-end amplifiers for optical sensors such as photodiodes, converting the

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Website: https://cgweb.co.za
Technical inquiry: https://cgweb.co.za/project-enquiry.html

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

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