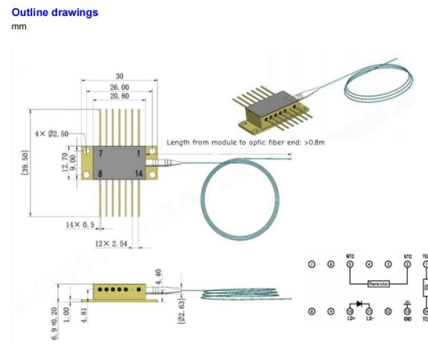


Brazilian optical receiver 40G



Overview

Profitap PT-40G-LR4-31 is a transceiver designed for 10Km optical communication applications. The design is compliant to 40GBASE-LR4 of the IEEE P802. For busy test stations or student labs, where users of different experience levels might be handling high value opto-electronics that are easily damaged by mishandling, order your photodiode to be mounted in the Lab Buddy. This paper will present the design and characterization of a high-bandwidth transimpedance GaAs MMIC receiver suitable for 40Gbps data transmission rates. The circuit was implemented on a MMIC PH15 process from United Monolithic Semiconductors (UMS). This module converts 4 inputs channels (ch) of 10Gb/s electrical data to 4 CWDM optical signals, and multiplexes them into a single. MACOM offers 40G and 50G amplified PIN photoreceivers with high responsivity PIN photodiodes usable from 1200 – 1650 nm. MACOM serves customers with a broad product portfolio that incorporates.



Article Content

Mar 15, 2026

40Gb/s (PIN) + TIA Optical Receivers

For busy test stations or student labs, where users of different experience levels might be handling high value opto-electronics that are easily damaged by

Nov 17, 2025

Broad-band optical receiver for multigigabit-per-second (40Gb/s ...

This paper presents the design and characterization of a high-bandwidth transimpedance GaAs MMIC receiver suitable for 40 Gbps data transmission rates. The circuit was implemented on a MMIC PH15

May 13, 2026

3G-SDI 1310nm 40km Digital Video SFP Dual Channel

Buy 3G-SDI 1260~1610nm 40km Digital Video SFP Single Channel Optical Receivers Module (MSA) from manufacturer at Affordable Factory Price,5-Year

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BROAD-BAND OPTICAL RECEIVER FOR MULTIGIGABIT-PER

ABSTRACT This paper will present the design and characterization of a high-bandwidth transimpedance GaAs MMIC receiver suitable for 40Gbps data transmission rates.

Jun 12, 2026

(PDF) A high-sensitivity 40-Gbit/s optical receiver using packaged ...

In this paper, we report the development of 40-Gbit/s optical receiver that employs three packaged AlGaAs-InGaAs HBT ICs: a preamplifier, a distributed amplifier, and a D-type flip-flop circuit.

Dec 18, 2025

Photoreceiver

Photoreceiver | The Optilab PR-40G-M is a high speed photo receiver module. Featuring 32 GHz bandwidth and 500V/W conversion gain, this module can be used in digital application as high as 40

Feb 22, 2026

High-Speed Photoreceiver Modules, Fiber Coupled,

Available with maximum bandwidths of 10 GHz, 25 GHz, 33 GHz, 38 GHz, 40 GHz, or 42 GHz, they are designed for use as components in systems where the user

Mar 07, 2026

40G QSFP+ Transceiver Modules | Optical

FS 40G QSFP+ optical transceiver module solutions offer a full range of QSFP+ modules from 150m to 80km reach, and used for high-density switching, routing

Dec 21, 2025

25G/40G Linear InGaAs Optical Receiver for 850nm-1550nm with CDR

Discovery's Linear InGaAs Optical Receiver is suited for single mode and multimode applications for 25G/40G from 850nm - 1550nm.

Sep 08, 2025

40G Optical Transceivers and Cables Portfolio | FS

40GBASE Optical Transceivers and Cables Portfolio Product Overview The 40G transceiver module portfolio offers customers a wide variety of high-density and low-power 40 Gigabit Ethernet

Sep 12, 2025

40 Gb/s PhotoReceiver Module - Optilab

The Optilab PR-40G-M is a high speed photo receiver module. Featuring 30 GHz bandwidth and 3000 V/W differential conversion gain, this module can be used

Jul 29, 2025

40G InGaAs Photodiodes and Optical Receivers

40G InGaAs Photodiodes and Optical Receivers - Fiberoptic Modules Discovery Semiconductors introduced its first commercially available 40 Gb Dual-Depletion InGaAs/InP p-i-n Photodiode at the

Aug 24, 2025

100G/200G/400G Coherent Optical Receivers

Coherent Optical Receivers are designed for 100 Gb, 200 Gb and 400 Gb fiber optic communication systems. Optical Dual Polarization QPSK (DP-QPSK) and 16 QAM modulation formats are detected

Jan 10, 2026

Linear AGC Balanced Receiver for 40G/100G Coherent Communications

The DSC-R412 is a linear AGC balanced receiver ideally suited for 40G/100G Coherent applications. In addition to its automatic gain control (AGC), the adjustable gain can be manually controlled. It also

Jan 27, 2026

20 GHz Linear InGaAs Optical Receiver

Discovery's 20GHz Linear InGaAs Optical Receiver for test measurement, OFDM, RF over fiber, using single mode multimode fiber.

Jul 12, 2026

PT-40G-LR4-31

The receiver module accepts the 40Gb/s CWDM optical signals input, and de-multiplexes it into 4 individual 10Gb/s channels with different wavelength. Each wavelength light is collected by a discrete

Jun 11, 2026

QSFP 40GB, OPTLASER BRASIL

TRANSCEPTOR ÓPTICO, QSFP 40G, ER4, 40KM O OPT-QPL40D é um módulo transceptor projetado para aplicações de comunicação óptica de 40 km. O design é compatível com 40GBASE-ER4 do

Apr 13, 2026

PT-40G-PLR4-31

2. GENERAL DESCRIPTION Profitap PT-40G-PLR4-31 is a Four-Channel, Pluggable, Parallel, Fiber-Optic QSFP+ Transceiver for InfiniBand QDR/DDR/SDR, 10G/8G/4G/2G fiber channel and SAS

Dec 31, 2025

Microsoft Word

Abstract The rise of coherent detection and digital signal processing is drastically changing the design of optical transmission systems. In this paper we review the challenges and opportunities offered by

Jul 01, 2026

PT-40G PIN Receivers

PT-40G PIN Receivers The PT-40G is a -10.5 dBm sensitivity, differential-output receiver module for OC-768 transmission system receive applications. It couples a back-illuminated PIN photodiode,

Feb 04, 2026

PR (Photoreceiver) – Optilab

optilab \$480.00 40 Gb/s PhotoReceiver Module PR-40G-M optilab \$4,778.00 60 MHz, High Gain Silicon Photoreceiver, Module

Aug 25, 2025

High Speed Photoreceivers

MACOM offers 40G and 50G amplified PIN photoreceivers with high responsivity PIN photodiodes usable from 1200 – 1650 nm. These products are available in butterfly packages with single-mode

Jan 15, 2026

DP-QPSK 100 Gb/400 Gb Coherent Optical Receiver Lab Buddy

Description: The DSC-R413 is an O/E instrument designed to convert DP-QPSK optical data to differential electrical signals. The R413 offers several user-adjustable characteristics such as RF

Aug 25, 2025

20 GHz Linear InGaAs Optical Receiver

20 GHz Linear InGaAs Optical Receiver Description: The DSC-R401HG is a linear and versatile PIN + transimpedance amplifier suited for a variety of digital and analog applications. The R401HG offers a

Jun 20, 2026

40G DPSK DQPSK Balanced Optical Receivers

The DSC-R410 balanced receiver is ideally suited for apps up to 40 Gb such as DPSK, DQPSK and Dual Polarization DPSK. It is available in two configurations: balanced receiver module and plug-and

Apr 20, 2026

40G DPSK DQPSK Balanced Optical Receivers

The DSC-R410 balanced receiver product family is ideally suited for a variety of applications up to 44 Gb/s such as DPSK, DQPSK and Dual-Polarization DPSK.

Aug 21, 2025

What 40G QSFP+ Optical Module, DAC, AOC is Best

The 40G network connection technology solution includes 40G QSFP+ series optical modules. Among them, the most common ones are

Sep 07, 2025

B& T APC40 PRO G SBR Brazilian Military Contract Overrun) BT-36040-US

In addition to B& T's APC40 PRO models, the São Paulo Military Police will also receive US-produced B& T tri-lug SMG suppressors, unique

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://www.greatpremiersolutions.co.za>

Email: sales@greatpremiersolutions.co.za

Phone: +27 82 914 3675

Address: Unit 5, Silicon Heights, 22 Electron Avenue, Cape Town, 8001, South Africa

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