

# Macom optical communication module



## Overview

MACOM supports a large portfolio of electronic and lightwave components, lasers, and photodiodes for optical communications in a wide range of applications. These span from long haul core networks to Cloud Data Center to FTTx access, to wireless infrastructure. The portfolio addresses the high semiconductor products, announced today new additions to its RF and optical portfolio, designed to meet the evolving needs of the SATCOM industry. These products include a high bandwidth Th-Mod optical transmitter, VPX RF over Fiber (RFoF) modules and high power amplifiers for Ka-, Ku-, X- and. For over 30 years, MACOM has developed and manufactured the fastest, most sensitive and broadest wavelength photoreceivers available. Our experience in leading-edge technology allows us to provide products that easily integrate within customers' systems.



## Article Content

MACOM IMS 2025 Product Preview -

MACOM Technology Solutions Inc. (MTSI), a leading provider of semiconductor products, has announced its latest RF and optical portfolio enhancements tailored for the SATCOM industry.

MACOM IMS 2025 Product Preview - Satellite Communications

MACOM's Th-Mod MATT-60M1 transmitter and receiver modules offer up to 70 GHz bandwidth, making them ideal for antenna remoting and other RFoF applications. The modules

MACOM Introduces 128GBaud Products for Coherent Applications

MACOM's new products support long-haul, metropolitan and Data Center Interconnect (DCI) optical module applications. Secular growth in metropolitan and DCI infrastructure is driven by 5G

Optoelectronics & Photonics

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MACOM Technology Solutions Holdings, Inc. (NASDAQ:MTSI) Q2

MACOM Technology Solutions Holdings, Inc. (NASDAQ:MTSI) Q2 2026 Earnings Call Transcript May 7, 2026  
MACOM Technology Solutions Holdings, Inc. beats earnings expectations.

MACOM (MTSI) Q2 2026 Earnings Transcript

MACOM (MTSI) Q2 2026 Earnings Transcript Date Thursday, May 7, 2026 at 8:30 a.m. ET  
Call participants Chief Executive Officer — Stephen G. Daly Chief Financial Officer — John F.

MACOM demos RF and optical products at SATELLITE 2025

New high-power Opto-Amp product line: MACOM recently introduced its Opto-Amp product line, aimed at enhancing optical connectivity between satellites and ground stations.

High Speed Optical Receiver Modules

For over 30 years, MACOM has developed and manufactured the fastest, most sensitive and broadest wavelength photoreceivers available. Our experience in

Optoelectronic Solutions

MACOM supports a large portfolio of electronic and lightwave components, lasers, and photodiodes for optical communications in a wide range of applications. These span from long haul core networks to

Linear Photonics Products

MACOM's Xi-Mod Transmitter and Receiver modules provide a complete solution for transporting wide bandwidth microwave signals over optical fiber. Optimized for

MACOM Letterhead

MACOM PURE DRIVETM 100Gbps per Lane Linear Drive: This solution removes DSP from optical modules and demonstrates an industry-leading low power, low latency solution for

Photonics Is Where AI Infrastructure Meets Physical Limits Copper ...

Sergey (@SergeyCYW). 998 likes 21 replies. Photonics Is Where AI Infrastructure Meets Physical Limits Copper interconnects are reaching practical limits inside high-performance data

Over 800G optical transceiver shipments to soar 2.6x by 2026

In addition to laser transmitters, optical modules need high-speed photodiodes (PDs) to receive signals. Leading vendors like Coherent, MACOM, Broadcom, and Lumentum are releasing

MACOM to Showcase Latest Semiconductor Innovations at Optical ...

MACOM's optical and high-speed data IC design, product management and applications engineering teams will provide in-depth explanations of MACOM's advanced semiconductor

MACOM IMS 2025 Product Preview – Satellite Communications

The modules provide a complete solution for transporting wide bandwidth signals over optical fiber, with a compact form factor that can be tailored to customer requirements. The Th-Mod modules provide a

MACOM to Showcase Latest Semiconductor Innovations at Optical ...

OFC 2023 Live Demonstrations Include: MACOM PURE DRIVE™ 100Gbps per Lane Linear Drive: This solution removes DSP from optical modules and demonstrates an industry-leading

MACOM showcasing optical and high-speed analog and mixed-signal ...

MACOM PURE DRIVE 100Gbps per lane linear drive: This solution removes DSP from optical modules and demonstrates what is claimed to be an industry-leading low-power, low-latency

Linear Pluggable Optics – An Overview

Comparison of proposed solutions: In response, several solutions such as Linear Receive Optics (LRO), Linear Pluggable Optics (LPO) and Co-Packaged Optics (CPO) have been proposed. Fig. 1

### 25 Gbps Optical Modules

MACOM delivers industry widest portfolio of chip-sets for 25Gbps Long Reach (LR) and Short Reach (SR) optical modules, Active Optical Cables (AOC) and On-Board Optics (OBO).

MACOM Technology Solutions Holdings, Inc. (MTSI) Q4 2025

MACOM's 200-gig PD has industry-leading sensitivity and dark current performance, enabling our customers to achieve better manufacturing margin and optical receiver sensitivity

### 800 Gbps Optical Modules

MACOM delivers industry widest portfolio of chip-sets for 800Gbps (8x106Gbps) optical modules. These devices are typically used with VCSEL lasers and Photodectors for optical transmission over multi

### Satellite Communications (SATCOM)

MACOM is a trusted provider of high reliability and quality solutions for the space industry. As industry has evolved, MACOM has expanded its RF and optical

### Optical Communication Industry Trends 2026: AI, 800G/1.6T Optical ...

Explore optical communication industry trends in 2026, driven by AI infrastructure, 800G and 1.6T optical modules, silicon photonics, and next-generation data center connectivity solutions.

### MACOM Unveils RF and Optical Solutions for SATCOM Industry at

MACOM Technology Solutions unveiled new RF and optical products for the SATCOM industry at IMS 2025. The new additions include GaN-on-SiC Power Amplifiers for C-Band, X-Band,

### Photodiodes

MACOM provides high sensitivity photodiodes for today's demanding optical communications that service telecommunications, PON, 5G, Data Centers and Aerospace and Defense. These products

### Nvidia's aggressive laser procurement spurs supply

Optical module makers could face component shortage as Nvidia reportedly hoards EML supply

### RF over Fiber

Module and sub system designs can include Erbium Doped Fiber Amplifiers (EDFA), precise fiber delay lines, multi-path phase alignment and CWDM/DWDM functionality providing increased system

## Contact Us

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

Website: <https://tooltechnologyapplication.com.pl>

Email: [info@tooltechnologyapplication.com.pl](mailto:info@tooltechnologyapplication.com.pl)

Phone: +49 69 3527 4819

Address: Neue Mainzer Straße 66, 60311 Frankfurt, Germany

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