

# 100G Optical Modulator Original Product



## Overview

100G/200G SFF LN Modulator (FTM7979HKA) Mach-Zehnder modulator using LiNbO<sub>3</sub> Supporting 100G DP-QPSK/200G DP-xQAM transmission format 2 QPSK modulators and Polarization Beam Combiner are integrated in one Package RF interface: FPC Compact size: 82 x 10 x 5.5 (mm) Low. The PM100 modulator supports the generally accepted Dual Polarization-QPSK modulation scheme; each of four parallel MZI's running at speeds of up to 32Gbaud. Cisco's vision is to simplify 100G pluggable optics. With fewer components in the pluggable module, we can scale manufacturing volume and cost to the level of today's 10G. The OCR100 MATE-10020A is an optical clock recovery module that supports both SMF and MMF for multiple data rates from 24 Gbps to 100 Gbps. The MATE-10020A provides clock recovery capabilities for optical non-return-to-zero (NRZ) and pulse amplitude modulation 4-level (PAM4) signal and supports a. Oclaro PM100 Modulator 100G PM-QPSK DWDM DP-QPSK Single Ended OIF 792001050 <https://www.com/en/products/modulator-100g-200g-dp-qpmz> Descriptions The Lumentum 100G PM-QPSK modulator is designed according to the widely accepted OIF 100GE Tx implementation agreement.



## Article Content

Jun 01, 2026

Single-Lambda 100G Pluggable Optics Solution

At 100G and 400G data rates, optics consume a more significant portion of the total system cost What is single-lambda 100G? The single-lambda

Oct 24, 2025

100G Optical Transceiver

Explore the details, specifications and video of our 100G Optical Transceiver, and order high-quality 100G Optical Transceiver from our factory directly at

Mar 05, 2026

Single-Lambda 100G Pluggable Optics Solution Overview

With fewer components in the pluggable module, we can scale manufacturing volume and cost to the level of today's 10G SFP+ optics. Through silicon photonics and signal processing

May 03, 2026

100Gbps PM-QPSK Modulator, Oclaro PM100, Lithium

The very advanced, spectrally highly efficient QPSK modulation format, combined with the polarization multiplexing scheme, guarantees compatibility with 50GHz

Jul 16, 2025

100Gbps PM-QPSK Modulator, Oclaro PM100, Lithium

This product uses very advanced chip and packaging technologies that have evolved from Oclaro's extremely reliable and high-performing standard MZI modulators. A

Aug 03, 2025

1064nm Acousto Optic Modulator, 100 MHz, Free Space AOM

Product Overview 1064nm Free Space AOM Overview These free space acousto-optic modulators (AOM) are optimized for 600 nm to 690 nm laser light. They have an RF frequency of 100 MHz and

Sep 02, 2025

GigOptix samples 100G coherent optical modulator | Lightwave

GigOptix is also offering the TFPS modulator chips for evaluation and integration into customized modules. For more information on optical components and suppliers, visit the Lightwave

Oct 21, 2025

100G SFP112 Optical Module: High-Speed, Energy

Discover the 100G SFP112 optical module, leveraging advanced PAM4 modulation for 112 Gbps single-channel transmission. Ideal for data centers, telecom

Aug 26, 2025

Oclaro PM100 Modulator 100G PM-QPSK DWDM DP

The very advanced, spectrally highly efficient QPSK modulation format, combined with the polarization multiplexing scheme, guarantees

Jun 01, 2026

Optic Source Components > Optical Modulators

Optical external modulators with fiber pigtailed. For general user guide, read Using the Lithium Niobate Modulator: Electro-Optical and Mechanical Connections . General principle: X-cut LiNbO3 modulator

Jan 30, 2026

Oclaro PM100 Modulator 100G PM-QPSK DWDM DP-QPSK Single

This product uses very advanced chip and packaging technologies that have evolved from Oclaro's extremely reliable and high-performing standard MZI modulators. A meticulous chip design features

Nov 28, 2025

Oclaro PM100 Modulator 100G PM-QPSK DWDM DP-QPSK Single

Oclaro's extremely reliable and high-performing standard MZI modulators. A meticulous. chip design features low insertion loss (with very small polarization depend loss) as well as. a high bandwidth

Nov 25, 2025

400nm Acousto Optic Modulator, 100 MHz, Free Space AOM

400nm Acousto Optic Modulator, 100 MHz, Free Space AOM \$ 2,195.00 SKU: 400FSAOM-100-2.0 In-Stock Shop all products from AeroDIODE Key Features High efficiency 100 MHz acousto optical

Feb 19, 2026

Microsoft Word

AFR Coherent modulator 100/200Gb/s PM-QMZ is designed according to the widely accepted OIF 100GE Tx implementation agreement, It supports the dual polarization-QPSK modulation scheme,

Apr 21, 2026

Oclaro 100G PM-QPSK Modulator DWDM DP-QPSK

The chip design features low insertion loss (with very small polarization dependent loss) as well as a high bandwidth with quasi-linear electro-optic roll-off. Features

Feb 21, 2026

100G Optical Transmitter Module

The 100G optical transmitter module comprises Ti:LiNbO3 DP-QPSK Single-Drive Mach-Zehnder modulator, Quad Input 28Gb/s Broadband 8V Lithium Niobate Modulator Driver amplifier and bias

Oct 16, 2025

100G Optical Transmitter Module

Products 100G Optical Transmitter Module Description The 100G optical transmitter module comprises Ti:LiNbO3 DP-QPSK Single-Drive Mach-Zehnder modulator, Quad Input 28Gb/s Broadband 8V

Oct 01, 2025

100G-and-beyond Coherent Components | Photonics Applications

NEL, a leading supplier of coherent Digital Signal Processor (DSP) solutions to system and module manufacturers worldwide, provides key components for 100G-and-beyond coherent transceivers,

Sep 04, 2025

1PCS Fujitsu 100G Optical Modulator FTM7977HQA/303

Fujitsu FTM7977HQA/608 Optical Modulator 100G Telecom Module NEW \$1,099.00 Free delivery Fujitsu FTM7977HQA DP-QPSK 100G LN Single-Drive C/L Band Optical Modulator LN

Dec 20, 2025

4\*100G DR4 Silicon Photonic Hybrid Integrated Modulator

The 4X100G DR4 optical chip INNOV-TX100D04SNLS01 integrates 4 channels of high-performance MZM modulators and multiple passive components. It adopts a

Aug 13, 2025

100G QSFP28 FR1/LR1 Optical Transceiver

100 Gb/s FR1/LR1 QSFP28 Optical Transceiver is a small form-factor, high speed, and low power consumption product targeted for use in optical interconnects for data communications applications.

Mar 22, 2026

MATP-10025

The integrated DSP based equalizer supports duplex fiber 100G optical links up to 2 km over single mode fiber. The low latency forward error correction engine provides IEEE compliant error correction

May 26, 2026

100G QSFP28 CWDM4 Optical Transceiver Overview

This article delves into the features, applications, and advantages of the 100G QSFP28 CWDM4 optical transceiver, shedding light on its crucial role in modern networking.

Jun 09, 2026

100G Optical Module Selection Guide: Advantages and Types of

Explore the QSFP28 100G optical module, a vital component for high-speed network connections. Discover its unique features, advantages, and various types to meet diverse

May 27, 2026

Fujitsu unveils surface-mount 100G/400G modulator

The product is also much smaller than traditional modulators, which will make it easier to mount the device into 100G/400G coherent optical transceivers, the company claims.

Jun 26, 2025

100G NRZ/PAM4 Optical Clock Recovery Module

The OCR100 MATE-10020A is an optical clock recovery module that supports both SMF and MMF for multiple data rates from 24 Gbps to 100 Gbps.

Oct 02, 2025

Oclaro 100G PM-QPSK Modulator DWDM DP-QPSK

It supports the dual polarization-QPSK modulation scheme, with each of four parallel MZI's running at speeds of up to 32 Gbaud. The chip design

Jun 29, 2025

Fujitsu FTM7979HK 100G/200G SFF LN Modulator MZM  $\leq 3.5V$

New: A brand-new, unused, unopened, undamaged item in its original packaging (where packaging is applicable). Packaging should be the same as what is found in a retail store, unless the

## Contact Us

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