

100G DWDM N-Channel Multiplexer/Demultiplexer

This high-density DWDM (Dense Wavelength Division Multiplexing) system is designed for 100G data transmission. The N-channel unit is compactly packed in a standard 19-inch, 1U rackmount chassis.



Overview

High-Performance 100G DWDM Solution

This 100GHz dense wavelength division multiplexer (DWDM) utilizes advanced thin-film coating technology and non-flux metal bonding micro-optics to ensure reliable optical add and drop capabilities at ITU wavelengths. Designed for high-capacity telecommunication networks, it offers exceptional stability, low insertion loss, and high channel isolation. The unit is engineered for seamless integration into existing infrastructure, providing a robust solution for wavelength routing and fiber optic amplification.

Technical Specifications

Key Performance Metrics

100 G

Data Rate

Channel Spacing	100 GHz
Optical Path Technology	Thin Film Coating, Non-flux Metal Bonding, Epoxy-free

Features & Applications

Key Features

- Low Insertion Loss
- Wide pass band
- High Channel Isolation
- High Stability and reliability
- Epoxy-free on Optical Path

Typical Applications

Channel Add/Drop • DWDM Network • Wavelength Routing • Fiber Optical Amplifier • CATV Fiberoptic System

Physical Configuration

Packaging Options

- 19-inch 1U Rackmount Chassis
- ABS Box
- Single Components

Form Factor	19-inch 1U Rackmount
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