

Wavelength Division Multiplexing C21-C28

Article Overview

DWDM channels C21 to C28 are part of the C-band DWDM spectrum, typically spaced at 100 GHz, used in multiplexers and demultiplexers for long-haul and metro optical networks.

Channel Overview

DWDM (Dense Wavelength Division Multiplexing) allows multiple optical signals to be transmitted simultaneously over a single fiber by using different wavelengths. Channels C21 to C28 fall within the C-band (1530–1565 nm), which is the standard range for DWDM systems due to low fiber attenuation and compatibility with erbium-doped fiber amplifiers (EDFAs) for long-distance transmission .

- Channel spacing: 100 GHz (approximately 0.8 nm)
- Number of channels: 8 (C21, C22, C23, C24, C25, C26, C27, C28)
- Applications: Long-haul, metro, and access networks
- Module type: Fixed DWDM Mux/DeMux modules, dual-fiber or single-fiber configurations

Technical Characteristics

DWDM modules for C21-C28 channels are designed for low insertion loss, temperature insensitivity, and reliable performance. They can be used in multi-channel multiplexing and demultiplexing, enabling efficient wavelength manageme...

Article Content

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Dense Wavelength Division Multiplexing

Dense Wavelength Division Multiplexing (DWDM) Corning DWDM multiplexers and demultiplexers utilize advanced thin-film filter and

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Research on Optimization and Application of Wavelength Division ...

This paper discusses in detail the wavelength division multiplexing (WDM) technology, which effectively increases the

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Dual Fiber DWDM Mux & Demux

Description The ATDWL-D8CH2128 has 8 DWDM channels from C21 to C28. DWDM multi-channel multiplexer/demultiplexer (Mux

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Introduction To WDM | part of Wavelength Division Multiplexing: A ...

This introductory chapter of <i>Wavelength Division Multiplexing: A Practical Engineering Guide</i> traces the history of wavelength

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Wavelength Division Multiplexing

Wavelength Division Multiplexing (WDM) is defined as a multiplexing technology used in fiber-optic transmission to maximize

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What is Wavelength Division Multiplexing (WDM): A Technical Guide

Introduction to Wavelength Division Multiplexing (WDM) Wavelength Division Multiplexing (WDM) is a fiber optic

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Advancements in Wavelength Division Multiplexing for High-Capacity ...

Wavelength Division multiplexing a core technology for increasing the capacity and performance of optical networks. This is called

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Wavelength-Division Multiplexing Network

Known as wavelength division multiplexing (WDM) and later dense wavelength division multiplexing (DWDM), this

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Wavelength-Division Multiplexing

Wavelength-division multiplexing (WDM) is defined as a technology that multiplexes multiple optical carrier signals onto an optical

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8ch-dwdm-mux-demux-C21-C28-with-exp-mon-and-1310 Datasheet

DWDM wavelengths are within the wavelength range of CWDM, which have much smaller channel spacing, so CWDM wavelengths

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8 Kanäle DWDM Mux Demux, 100GHz C21-C28, mit Monitor-,

Kompaktes, modulares Design mit hochdichter Kanalintegration, flexibler Anpassung und müheloser Bereitstellung für moderne

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Parallel wavelength-division-multiplexed signal transmission and ...

Although inter-DCIs based on intensity modulation and direct detection (IM-DD) along with wavelength-division

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Review and status of wavelength-division-multiplexing technology and ...

Wavelength-division-multiplexing (WDM) technology is now recognized as one of the key technologies in optical communications

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WDM 101 | Optical Communications | Corning

WDM Fundamentals Wavelength division multiplexing (WDM) can help network operators stay ahead of

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Optically Multiplexed Systems: Wavelength Division Multiplexing

etwork-ing with advanced topologies supported with redundancy features. Historically, multiplexing had been used to share the

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Wavelength Division Multiplexing

Wavelength Division Multiplexing Dual Fiber DWDM Mux & Demux 16CH (C21-C36) with Monitor Port 1U Rack [Learn More Dual](#)

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What is CWDM (Coarse Wavelength Division Multiplexing)?

What is Coarse Wavelength Division Multiplexing? Coarse Wavelength Division Multiplexing (CWDM) is a kind of

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Wavelength Division Multiplexing

Wavelength division multiplexing (WDM) is a technique of multiplexing multiple optical carrier signals through a single optical fiber

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Design analysis for wave length division multiplexing ...

Wavelength division multiplexing WDM, has long been the preferred method for transferring massive volumes of data

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Dual Fiber 8CH C21-C28 DWDM MUX DEMUX

The 8ch DWDM MUX DEMUX is designed by FIBERWDM, wavelength from C21 to C28 (1560.61nm~1554.94nm), (By the way, we

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Understanding Wavelength Division Multiplexing (WDM)

Wavelength Division Multiplexing (WDM) is form of combining multiple signals on laser beams at various IR wavelengths transmitted

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WAVELENGTH-DIVISION MULTIPLEXING OPTICAL NETWORKS

Whereas in the first optical communications networks, light was trans-mitted through the fiber using a single wavelength, WDM

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Wavelength-division multiplexing

Coarse wavelength-division multiplexing (CWDM), in contrast to DWDM, uses increased channel spacing

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DWDM Mux/Demux 8CH C21-C28 with Express Port | AscentOptics

DWDM Mux/Demux 8CH (C21-C28) with Express Port is a DWDM multi-channel multiplexer /demultiplexer that has 8 DWDM

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DualFiber8CHC21-C28DWDMMUXDEMUXWith1310

The 8ch DWDM MUX DEMUX is designed by FIBERWDM, wavelength from C21 to C28(1560.61nm~1554.94nm),(By the way, we

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WDM: Everything You Need to Know

WDM: Everything You Need to Know Wavelength Division Multiplexing (WDM) is a technology used in optical

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Wavelength Division Multiplexing | WDM Technology in

Learn why Wavelength division multiplexing (WDM) technology carries great potential to

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Wavelength Division Multiplexing (WDM)

Wavelength Division Multiplexing (WDM) Abstract Wavelength division multiplexing or WDM allows the combining of a number of

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Role of Wavelength Division Multiplexing in Optical Communication ...

This technique, also known as wavelength-division duplexing, allows bidirectional communication over a single strand

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