PREMIUM CWDM MULTIPLEXER/DE-MULTIPLEXERS

Model# CWDM-T08SUL-000 **Technical Specifications**

Series Highlights

Complete Line Of CWDM / DWDM / OADM

Full Line of Compatible OptoSpan Transceivers Available

Included Expansion Ports For Bandwidth Upgrade

Up to10 Gbit/s Per Channel

Metro Distance, Up to 120 km

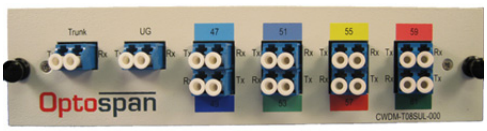
Passive Devices Require No Power Supply

Full Protocol Transparency

Customized WDM Solutions Available

Regulatory Compliance

- Telcordia GR-1221 and
- GR-1209
- ITU-T G.694.2



CWDM-T08SUL-000

8+1 Channel CWDM Mux/Demux with UG band bi-directional 1470nm, 1490nm, 1510nm, 1530nm, 1550nm, 1570nm, 1590nm, 1610nm

Introduction

OptoSpan CWDM-T08SUL-000 system provides the most robust and low-cost bandwidth upgrade for your current fiber optic communication networks.

All our CWDM systems are based on thin film filter technology and metal bonding micro optics packaging. OptoSpan provides high quality CWDM with flat channel bandwidth, flexible channel configuration, low insertion loss and high isolation. All OptoSpan products are epoxy-free in the optical path.

Each CWDM-T08SUL-000, with optional expansion, can transmit and receive up to 16 connections of different standards, data rates or protocols over one single fiber optic link without disturbing each other. Each CWDM module supports ESCON, ATM, Fibre Channel, and Gigabit Ethernet over each port.

OptoSpan's CWDM components provide an ideal balance of price and performance for multiplexing and de-multiplexing in Metro/Access networks. Our CWDM systems are designed to upgrade capacity easily as the system grows.

Due to its purely passive technology, the premium CWDM series is well suited for building highly reliable and maintenance-free backbone architecture.

Features

- Low Insertion Loss
- High Channel Isolation
- Epoxy-Free Optical Path

Applications

- Metro-Core, Metro-Access and Enterprise Networks
- Enterprises with Fiber Infrastructure
- Networks requiring ATM, Escon, Fibre Channel & Gigabit Ethernet Simultaneously
- Mirroring/Replicating data to Disaster Recovery Sites

Ordering

- Part# CWDM-T08SUL-000 - 8+1 Channel CWDM Mux/Demux with UG band bi-directional, 1470nm -1610nm
- Part# R-WDM-19 - 19" Rack Mount Kit for two WDM modules (includes one blank plate)
- High Speed OptoSpan Optical Transceivers & Fibre Optic Cables Required

OptoSpan, New York • Tel: (877) 819-0484 • www.OptoSpan.com
Inquiries: sales@optospan.com

Optical Specifications

Item	Parameter		
1	Operating Wavelength	1460~1620	
2	Operating Channel for CWDM ports	1471,1491,1511,1531,1551,1571,1591,1611	
	Operating wavelength for UPG ports	1263.5-1437.5 nm	
3	Channel Spacing	20nm	
4	Channel Passband	CW +/-7nm	
5	Insertion Loss(with connector) in to drop and add to out	Max <3.6dB	Typical <3.0dB
	Insertion Loss(with connector) in/out to UG port	Max <3.3dB	Typical <2.9dB
6	Adjacent Channel Isolation at CWDM drop port	>30 dB	
7	Non-adjacent Channel Isolation at CWDM drop port	>40 dB	
	CWDM channels at Ug port	>15 dB	
	UG channel at CWDM ports	>30 dB	
8	Return Loss	>45 dB	
9	Directivity	>50 dB	
10	Polarization Dependent Loss	<0.2 dB	
11	Polarization Mode Dispersion	<0.1 ps	
12	Maximum Power Handling	500 mW	
13	Operating Temperature	0°C~70°C	
14	Storage Temperature	-40°C~85°C	
15	Fiber Type	SMF-28e	
16	Pigtail Type	900 um	
17	Connector Type	LC/UPC	

Wiring Layout