

Series Highlights

Complete Line Of
CWDM / DWDM / OADM

Full Line of Compatible
OptoSpan Transceivers Available

Included Expansion Ports For
Bandwidth Upgrade

Up to 10 Gbit/s Per Channel

Metro Distance, Up to 120 km

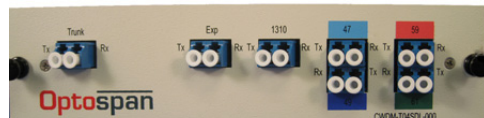
Passive Devices
Require No Power Supply

Full Protocol Transparency

Customized WDM Solutions
Available

Regulatory Compliance

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



CWDM-T04SDL-000

4+2 Channel CWDM Mux/Demux with UG & EXP band bi-directional, 1470nm, 1490nm, 1590nm, 1610nm

Introduction

OptoSpan CWDM-T04SDL-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-T04SDL-000, with optional expansion, can transmit and receive up to 12 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-T04SDL-000 - 4+2 Channel CWDM Mux/Demux with UG & EXP band bi-directional, 1470nm, 1490nm, 1590nm, 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

Item	Parameter		
1	Operating Wavelength	1260~1620	
2	Operating Channel	1471,1491,1591,1611	
	Express(Exp)channels	1504.5-1577.5	
	UG port	1263.5-1437.5	
3	Channel Spacing	20nm	
4	Channel Passband	CW +/-7nm	
5	Insertion Loss(with connector) in to drop and add to out	Max <3.3dB	Typical 2.5dB
	Insertion Loss(with connector) in/out to Express(Exp)channels	Max <3.3dB	Typical 2.4dB
	Insertion Loss(with connector) in/out to UG port	Max <1.6dB	Typical 1.1dB
6	Adjacent Channel Isolation at CWDM drop port	>30 dB	
7	Non-adjacent Channel Isolation at CWDM drop port	>40 dB	
	CWDM channels at Exp port	>15 dB	
	Exp channel at CWDM ports	>30 dB	
	Exp,CWDM ch's at UG port	>15dB	
	UG ch's at Exp,CWDM port	30	
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	

