

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



DWDM-T16SUL-000

16+1 Channel DWDM (100GHz) Mux/Demux with UG band bi-directional, ITU Channels 21...60

Introduction

OptoSpan DWDM-T16SUL-000 system provides the most robust and low-cost bandwidth upgrade for your current fiber optic communication networks.

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

Each DWDM-T16SUL-000 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 DWDM module supports ESCON, ATM, Fibre Channel, and Gigabit Ethernet over each port.

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

Due to its purely passive technology, the premium DWDM 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# DWDM-T16SUL-000 - 16+1 Channel DWDM (100GHz) Mux/Demux with UG band bi-directional, ITU Channels 21...60
- 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	100GHz	
2	Operating Channel	ch21,ch22... ch60	
3	Insertion Loss(with connector) in to drop and add to out	Max <4.5dB	Typical <3.9dB
4	Insertion Loss(with connector) in to UPG and UPG to out	Max <3.8dB	Typical <3.6dB
5	Liaks loss(mux+demux) (with connector) DWDM channel	Max <7.2dB	Typical <6.1dB
6	Polarization Dependent Loss	<0.2 dB	
7	Directivity ch port	>60 dB	
8	Directivity UPG port	>50 dB	
9	Polarization Mode Dispersion	<0.1 ps	
10	Maximum Power Handling	500 mW	
11	Operating Temperature	0°C~70°C	
12	Storage Temperature	-40°C~85°C	
13	Fiber Type	SMF-28e	
14	Pigtail Type	900 um	
15	Connector Type	LC/UPC	

