



## 4 CHANNEL PREMIUM CWDM MUX/DEMUX CWDM-T04SDL-000

4+2 Channel CWDM Mux/Demux with UG & EXP band

Optospan CWDM-T04SDL-000 4-Channel CWDM Multiplexer/Demultiplexer is a high performance integrated system that combines four ITU-T G.694.2 Coarse Wavelength-Division Multiplexing (CWDM) wavelengths into a composite signal during transmit. During receive, the system separates a composite signal into four individual wavelengths.

This dual-fiber low-cost passive MUX/DEMUX offers low insertion loss and high isolation for increased distance and reliability.

### FEATURES

- Low Insertion Loss
- High Channel Isolation
- Epoxy-Free Optical Path
- 4 Channels: 1470nm, 1490nm, 1590nm, 1610nm
- Compatible Optospan Transceivers Available
- Included Expansion Ports For Bandwidth Upgrade

### APPLICATIONS

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

### REGULATORY COMPLIANCE

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

### OPTICAL SPECIFICATIONS

Parameter	Typical Value	Parameter	Typical Value
Operating Wavelength	1260~1620	Return Loss	>45 dB
Operating Channel	1471, 1491, 1591, 1611	Directivity	>50 dB
Express (Exp) channels	1504.5-1577.5	Polarization Dependent Loss	<0.2 dB
UG port	1263.5-1437.5	Polarization Mode Dispersion	<0.1 ps
Channel Spacing	20nm	Maximum Power Handling	500 mW
Channel Passband	CW +/-7nm	Operating Temperature	0°C~70°C
CWDM channels at Exp port	>15 dB	Storage Temperature	-40°C~85°C
Exp channel at CWDM ports	>30 dB	Fiber Type	SMF-28e
Exp, CWDM ch's at UG port	>15 dB	Pigtail Type	900 um
UG ch's at Exp, CWDM port	30	Connector Type	LC/UPC

Parameter	Max Value	Typical Value
Insertion Loss (with connector) in to drop and add to out	Max <3.3 dB	Typical 2.5 dB
Insertion Loss (with connector) in/out to Express (Exp) channels	Max <3.3 dB	Typical 2.4 dB
Insertion Loss (with connector) in/out to UG port	Max <1.6 dB	Typical 1.1dB
Adjacent Channel Isolation at CWDM drop port		>30 dB
Non-adjacent Channel Isolation at CWDM drop port		>40 dB