



8 CHANNEL PREMIUM CWDM MUX/DEMUX CWDM-T08SUL-000

**8+1 Channel CWDM Mux/Demux
with UG band**

OptoSpan CWDM-T08SUL-000 8-Channel CWDM Multiplexer/Demultiplexer is a high performance integrated system that combines eight 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 eight 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
- 8 Channels: 1470nm - 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	1460~1620	Polarization Dependent Loss	<0.2 dB
Operating Channel for CWDM ports	1471, 1491, 1511, 1531, 1551, 1571, 1591, 1611	Polarization Mode Dispersion	<0.1 ps
		Maximum Power Handling	500 mW
Operating wavelength for UPG ports	1263.5-1437.5nm	Operating Temperature	0°C~70°C
Channel Spacing	20nm	Storage Temperature	-40°C~85°C
Channel Passband	CW +/-7nm	Fiber Type	SMF-28e
UG channels at CWDM port	>30 dB	Pigtail Type	900 um
Return Loss	>45 dB	Connector Type	LC/UPC
Directivity	>50 dB		
Parameter		Max Value	Typical Value
Insertion Loss (with connector) in to drop and add to out		Max <3.6 dB	Typical <3.0 dB
Insertion Loss (with connector) in/out to UG port		Max <3.3 dB	Typical <2.9 dB
Adjacent Channel Isolation at CWDM drop port			>30 dB
Non-adjacent Channel Isolation at CWDM drop port			>40 dB
CWDM channels at UG port			>15 dB