



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

**8+1 Channel DWDM (100GHz)
Mux/Demux ITU Channels 30-37**

OptoSpan DWDM-T08SUL-000 8-Channel DWDM Multiplexer/Demultiplexer is a high performance integrated system that combines eight ITU-T G.694.1 Dense Wavelength-Division Multiplexing (DWDM) 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: ITU 30 - 37
- Compatible OptoSpan Transceivers Available
- Passive Devices Require No Power Supply
- Customized WDM Solutions Available

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

REGULATORY COMPLIANCE

- Telcordia GR-1221 and GR-1209
- ITU-T G.694.1

OPTICAL SPECIFICATIONS

Parameter	Typical Value	Parameter	Typical Value
Operating Wavelength	100 GHz	Directivity ch port	> 60 dB
Operating Channel	ITU ch30-ch37	Directivity UPG port	> 50 dB
Channel Passband	+/- 0.11 nm	Polarization Mode Dispersion	< 0.1 ps
Insertion Loss (with connector) in to drop and add to out	Max < 3.4 dB	Maximum Power Handling	500 mW
Insertion Loss (with connector) in to UPG and UPG to out	Max < 2.6 dB	Operating Temperature	0°C~70°C
Loss (mux+demux) (with connector) DWDM ports	Max < 4.7 dB	Storage Temperature	-40°C~85°C
		Fiber Type	SMF-28e
		Pigtail Type	900 um
Polarization Dependent Loss	< 0.2 dB	Connector Type	LC/UPC