

## Features of Product Line

- Housed in 1-RMU (1.75 in height) shelf
- Rack Mountable in 19" or 23" racks
- Simple to install, requires no configuration
- Completely passive, no power required, no cooling
- Low insertion loss - high isolation
- Fully Universal (bidirectional operation on any port)
- Hardened extended temperature range option available -15 C to +55C
- Available 2 (dual unit) or 1 fiber spans
- Fully transparent at all data rates and protocols
- High reliability, MTBF >50 yrs
- Accepts any data rate and any protocol on any port up to 10 Gbps, also 40 Gbps (DPSK, DQPSK) and 100 Gbps (DP-QPSK)
- Telcordia GR-1209 and GR1221 qualified, ISO 9001
- NEBS 3 compliance
- Available with LC, SC, FC connectors
- All DWDM Lite™ Multiplexers come with a lifetime warranty

## Applications

- Any equipment using 200 GHz or 100 GHz ITU-T optics
- SONET/SDH OC-3 to OC-768, STM-1 to STM-256
- Routers and Switches with optical DWDM interfaces
- GBIC, SFP, & XFP
- Xenpak
- Ethernet over fiber
- ATM over fiber
- RF, Video, CATV and many more...

## Compatibility

- Fully compatible with ITU-T 100 GHz transceivers.
- Compatible with lightwave equipment including, Cisco, Nortel, Alcatel, Ciena, Fujitsu, MRV etc.
- Meets the following Telcordia specifications: GR326, GR1209/1221
- Manufactured in ISO9001, ISO14001, TL9000, and OHSAS1801 certified facilities

### DWDM Lite™ 4-Channel (Dual or Single Fiber) DWDM

Specifications	100 GHz Spacing	200 GHz Spacing
Available Wavelengths	100 GHz Wavelengths	200 GHz Wavelengths
Insertion Loss mux and demux pair	3.0 dB	3.0 dB
Adjacent Channel Isolation (min)	30.0 dB	30.0 dB
Polarization Dependent Loss (max)	0.1 dB	0.1 dB
Directivity (min)	55.0 dB	50.0 dB
Operating Temperature	-5° to +60° C	-5° to +60° C
Product Code	TDWM-04W-02-100-xx-yy-cc	TDWM-04W-02-200-xx-yy-cc

### DWDM Lite™ 8-Channel (Dual or Single Fiber) DWDM

Specifications	100 GHz Spacing	200 GHz Spacing
Available Wavelengths	100 GHz Wavelengths	200 GHz Wavelengths
Insertion Loss mux and demux pair	4.5 dB	4.0 dB
Adjacent Channel Isolation (min)	30.0 dB	30.0 dB
Polarization Dependent Loss (max)	0.1 dB	0.1 dB
Directivity (min)	55.0 dB	55.0 dB
Operating Temperature	-5° to +60° C	-5° to +60° C
Product Code	TDWM-08W-02-100-xx-yy-cc	TDWM-08W-02-200-xx-yy-cc

### DWDM Lite™ 16-Channel (Dual Fiber or Single Fiber) DWDM

Specifications	100 GHz Spacing	200 GHz Spacing
Available Wavelengths	100 GHz Wavelengths	200 GHz Wavelengths
Insertion Loss mux and demux pair	6.0 dB	5.5 dB
Adjacent Channel Isolation (min)	30.0 dB	30.0 dB
Polarization Dependent Loss (max)	0.4 dB	0.2 dB
Directivity (min)	55.0 dB	55.0 dB
Operating Temperature	-5° to +60° C	-5° to +60° C
Product Code	TDWM-16W-02-100-xx-yy-cc	TDWM-16W-02-200-xx-yy-cc

### DWDM Lite™ 32-Channel (Dual Fiber or Single Fiber) DWDM

Specifications	100 GHz Spacing
Available Wavelengths	100 GHz Wavelengths
Insertion Loss, mux and demux pair	7.5 dB
Adjacent Channel Isolation (min)	30.0 dB
Polarization Dependent Loss (max)	0.4 dB
Directivity (min)	55.0 dB
Operating Temperature	-5° to +60° C
Product Code	TDWM-32W-01-100-xx-yy-cc



DWDM Lite™ 8-Channel DWDM Multiplexer



DWDM Lite™ 16-Channel DWDM Multiplexer



DWDM Lite™ 32-Channel Single Fiber DWDM Multiplexer

#### Product Code Ordering Guide:

- xx First Avail. Wavelength: ITU Grid Channel #  
 yy Last Avail. Wavelength: ITU Grid Channel #  
 cc SCU: Ultra Polish SC  
 SCA: Angled Polish SC  
 FCU: Ultra Polish FC  
 FCA: Angled Polish FC  
 LCU: Ultra Polish dual LC, Default connector