

# 200 GHz 16-CHANNEL DENSE WDM

## DWDM-216 Series

### Features

- 200 GHz Channel Spacing
- High Channel Isolation
- Low Insertion Loss
- Highly Stable & Reliable
- Epoxy-Free Optical Path
- Low Profile Packaging

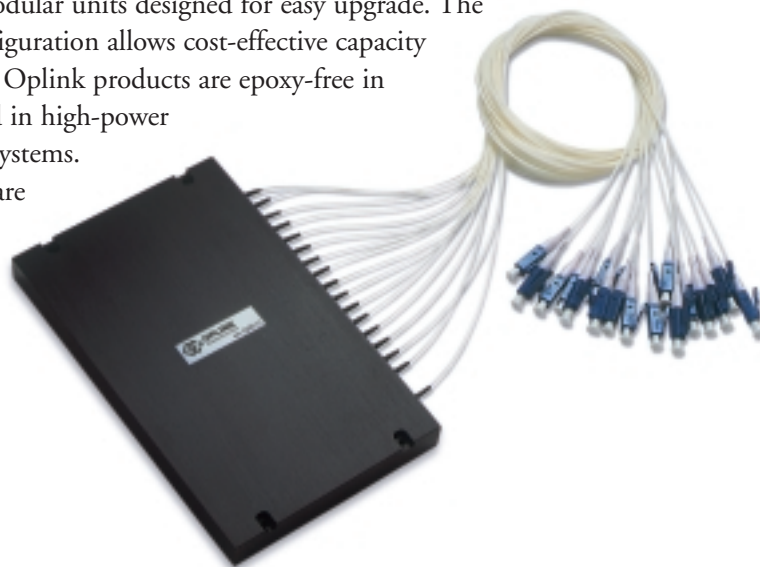
### Applications

- Dense WDM Systems
- CATV Fiberoptic Links

### 200 GHz 16-CHANNEL DENSE WDM

Oplink's Dense Wavelength Division Multiplexer (DWDM) is based on thin film filter and metal bonded micro-optic packaging technologies. This proven technology offers flat channel bandwidth, flexible channel configurations, low insertion loss and high isolation. Oplink's DWDMs are modular units designed for easy upgrade. The flexibility in channel configuration allows cost-effective capacity upgrades as you grow. All Oplink products are epoxy-free in the optical path. It is used in high-power applications in DWDM systems.

Oplink DWDM devices are Bellcore GR -1221 qualification compliant.



### Performance Specifications

DWDM-216 Series	Multiplexer	Demultiplexer	Unit
Center Wavelength	1528 - 1640, ITU Grid		nm
Channel Spacing	200		GHz
Channel Pass Band	ITU $\pm$ 0.25		nm
Insertion Loss	< 5.5		dB
Insertion Loss MUX/DeMUX Pair	Please See Note*		dB
Passband Ripple	< 0.5		dB
Adjacent Channel Isolation	> 15	> 30	dB
Non-Adjacent Channel Isolation	> 15	> 40	dB
Optical Return Loss	> 45		dB
Directivity	> 50		dB
Polarization Dependent Loss	< 0.2		dB
Polarization Mode Dispersion	< 0.1		ps
Optical Power Handling	< 500		mW
Operating Temperature Range	0 ~ +70		°C
Storage Temperature Range	-40 ~ +85		°C
Package Dimensions**	(L) 147 x (W) 90 x (H) 14		mm

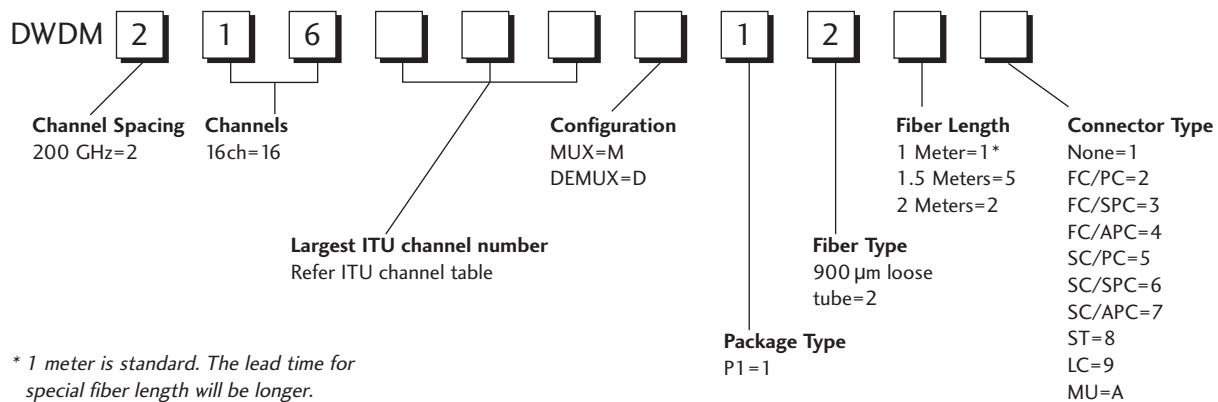
Values Referenced Without Connectors

\*Lower MUX/DeMUX Pair Insertion Loss Model Available

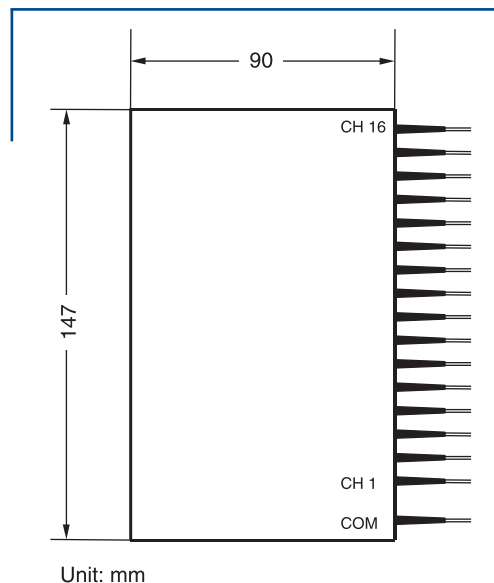
\*\*The mechanical tolerance should be +/- 0.2 mm on all package dimensions unless otherwise custom specified.

## Ordering Information

Oplink custom designs and manufactures high performance fiber optic networking components and integrated optical modules. Oplink can provide a remarkable range of customized optical solutions to meet your specific design needs. By combining our technical expertise with our extensive micro-optic manufacturing and packaging capability, your volume requirements for components and customized integrated products can be met. We are happy to discuss your requirements. Please contact Oplink's OEM Design Team or Sales Representative for ordering and price information (408) 965-7270.



## Package Dimensions:



## Spectral Performance:

