200GHz 2-Channel Add/Drop Multiplexer (3x3)

OADM202B 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

200GHz 2-Channel Add/Drop Multiplexer

Oplink's wavelength division Add and Drop multiplexer (OADM) is based on thin-film filter technology and metal bonding micro optics packaging. This module offers flexible channel configuration, low insertion loss and high isolation. The OADM 202B module is used to add and drop two particular wavelengths and is ideal for telecommunications and networking. Additionally, this module can be used in high-power applications in DWDM systems. Oplink DWDM devices are Bellcore GR -1221 qualification tested. All Oplink products are epoxy-free in the optical path.
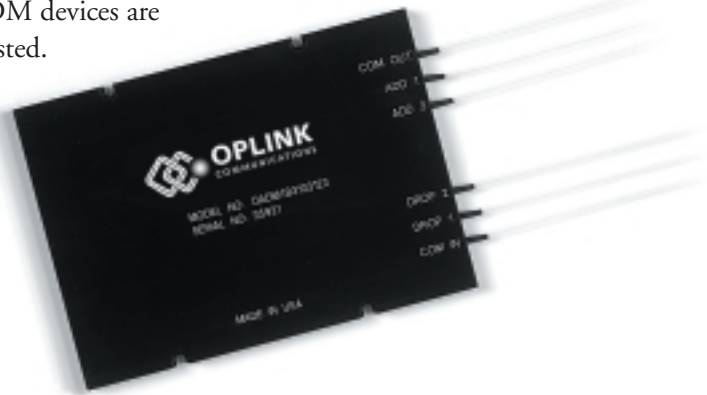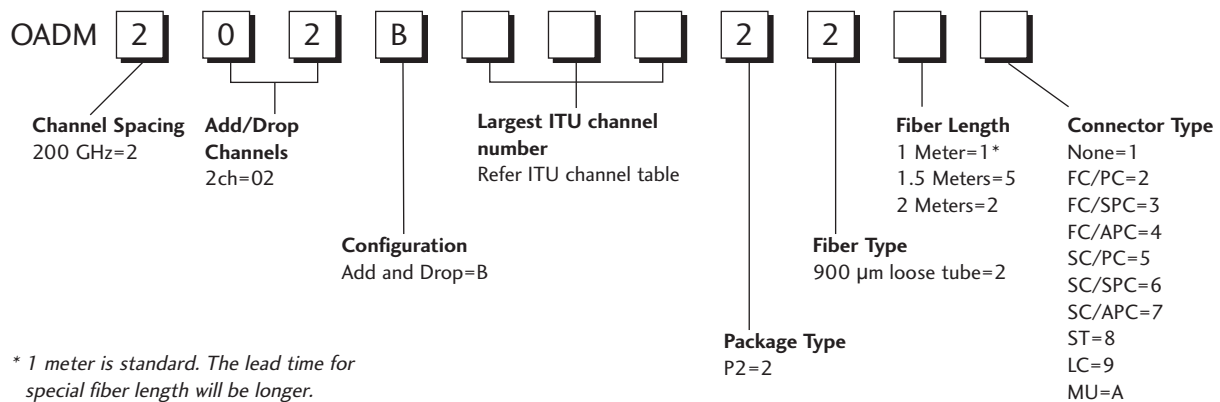

Performance Specifications

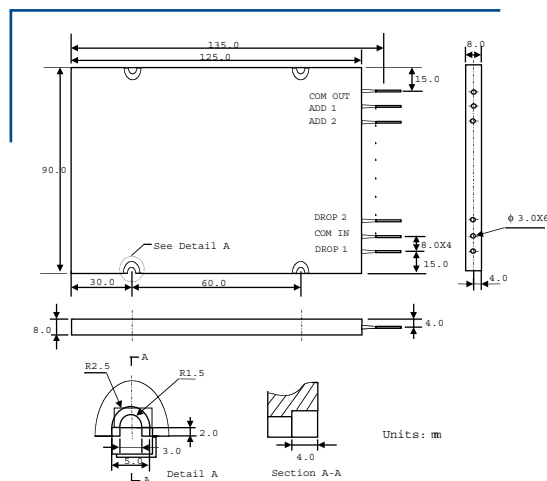| OADM202B Series	Multiplexer		Demultiplexer	Unit
Center Wavelength		1528 - 1640, ITU Grid		nm
Channel Spacing		200		GHz
Channel Pass Band		ITU ± 0.25		nm
Add / Drop Channel1 Insertion Loss		< 1.3		dB
Add / Drop Channel2 Insertion Loss		< 1.8		dB
Express Channel Insertion Loss		< 1.8		dB
Add / Drop Channel Ripple		< 0.5		dB
Add/Drop Path Adj. Ch. Isolation	> 15		> 30	dB
Add/Drop Non-Adj. Ch. Isolation	> 15		> 40	dB
Express Channel Isolation		> 20		
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)125 x (W)90 x (H)8		mm

Values Referenced Without Connectors

* 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.

OADM 2 0 2 B ☐ ☐ ☐ 2 2 ☐ ☐

Channel Spacing
200 GHz=2

Add/Drop Channels
2ch=02

Configuration
Add and Drop=B

Largest ITU channel number
Refer ITU channel table

Package Type
P2=2

Fiber Type
900 μm loose tube=2

Fiber Length
1 Meter=1*
1.5 Meters=5
2 Meters=2

Connector Type
None=1
FC/PC=2
FC/SPC=3
FC/APC=4
SC/PC=5
SC/SPC=6
SC/APC=7
ST=8
LC=9
MU=A

* 1 meter is standard. The lead time for special fiber length will be longer.

Package Dimensions:

Spectral Performance:

OADM-202B