

100 GHz OPTICAL ADD/DROP MULTIPLEXER (1x2)

OADM101A/D Series

Features

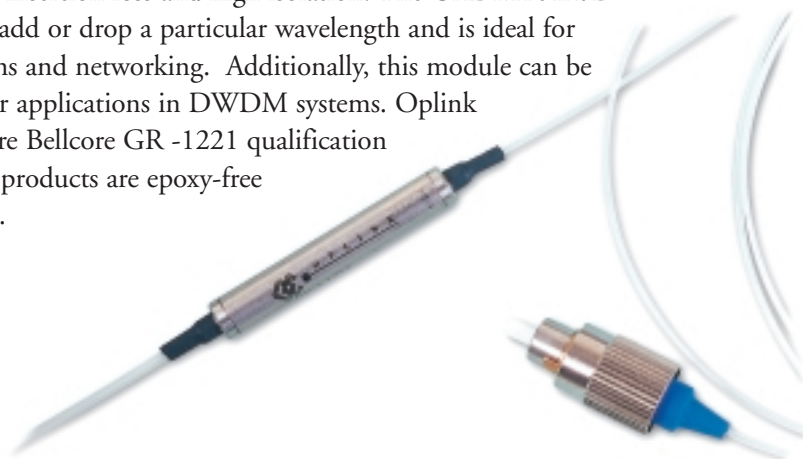
- 100 GHz Channel Spacing
- High Channel Isolation
- Low Insertion Loss
- Highly Stable & Reliable
- Epoxy-Free Optical Path
- Low Profile Packaging

Applications

- Add/Drop Channels
- Dense WDM Systems
- CATV Fiberoptic Links

100 GHz OPTICAL ADD/DROP MULTIPLEXER

Oplink's Optical Add/Drop multiplexer (OADM) is based on thin film filter technology and metal bonding micro optics packaging. This proven technology offers wide channel bandwidth, flexible channel configuration, low insertion loss and high isolation. The OADM101A/D module is used to add or drop a particular wavelength 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

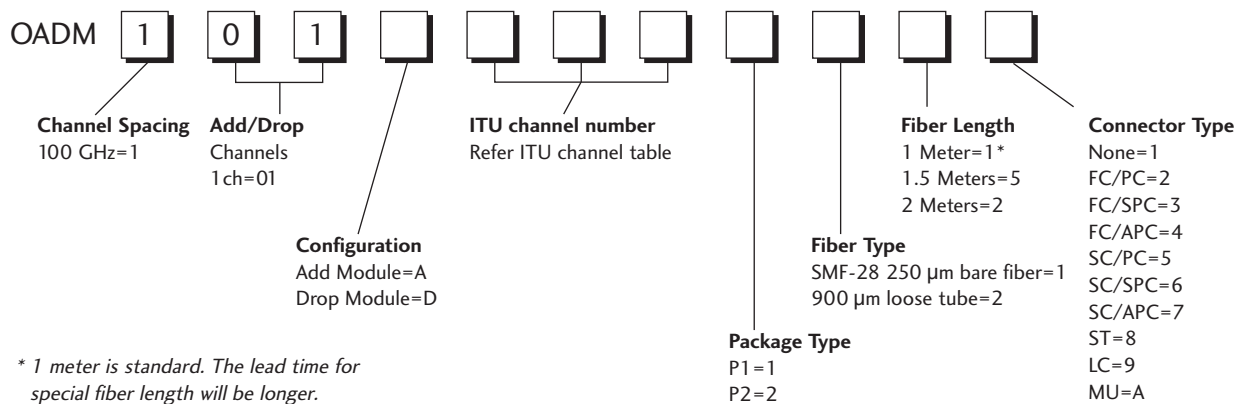
OADM101A/D Series	Multiplexer	Demultiplexer	Unit
Center Wavelength	1528 - 1640, ITU Grid		nm
Channel Spacing	100		GHz
Channel Pass Band	ITU $\pm$ 0.11		nm
Add / Drop Channel Insertion Loss	< 1.5		dB
Express Channel Insertion Loss	< 0.6		dB
Add / Drop Channel Ripple	< 0.5		dB
Add/Drop Path Adj. Ch. Isolation	> 15	> 25	dB
Add/Drop Non-Adj. Ch. Isolation	> 15	> 35	dB
Express Channel Isolation	> 12.5		dB
Optical Return Loss	> 45		dB
Directivity	> 50		dB
Polarization Dependent Loss	< 0.2		dB
Polarization Mode Dispersion	< 0.2		ps
Optical Power Handling	< 500		mW
Operating Temperature Range	0 ~ +70		°C
Storage Temperature Range	-40 ~ +85		°C
Package Dimensions*	(P1) SMF-28 250 μ m Bare Fiber: (ϕ)5.5 x (L)34		mm
	(P2) SMF-28 900 μ m Loose Tube: (ϕ)5.5 x (L)40		mm

Values Referenced Without Connectors

* The mechanical tolerance should be $\pm$ 0.2 mm on all package dimensions unless otherwise custom specified.

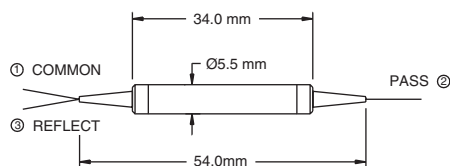
Ordering Information

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.

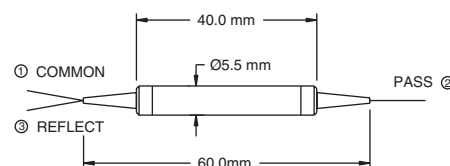


Package Dimensions:

(a) P1: SMF-28 bare fiber



(b) P2: 900 μ m loose tube



Spectral Performance:

