GREEN 1310/1550 NM MICRO-OPTIC WDM

MWDMG1315 Series

Product Description

Oplink's Micro-Optic Wavelength Division Multiplexer (MWDM) is based on thin-film filter technology and patented athermal platform for optical device. The MWDM1310/1550 is used to combine or separate 1310 and 1550 nm band signals. This device offers very flat and wide passband, low insertion loss, and high isolation, which make it ideal for Optical Amplification Systems and WDM Network applications. Oplink MWDM devices are Bellcore GR -1221 qualification tested and complied with industry green initiatives such as Rohs and WEEE. All Oplink products areepoxy-free in the optical path.



Performance Specification

MWDMG1315 Series		Min	Typical	Max	Unit
Pass Channel Wavelength Range λ1	Type 1315	1260		1360	nm
	Type 1513	1520		1600	nm
Reflection Channel Wavelength Range λ2	Type 1315	1520		1600	nm
	Type 1513	1260		1360	nm
Insertion Loss *	Pass Channel @ λ1 Reflect Channel @ λ2			0.6 0.6	dB
Isolation	Reflect Channel @ λ1 Pass Channel @ λ2	15 40			dB
Passband Ripple				0.30	dB
Directivity		50			dB
Return Loss		50			dB
Polarization Dependent Loss				0.1	dB
Polarization Mode Dispersion				0.2	ps
Maximum Power Handling				500	mW
Fiber Type			Corning SMF-28		
Operating Temperature			0 to +70		°C
Storage Temperature			-40 to +85		°C
Package Dimensions **	250 µm Bare Fiber 900 µm Loose Tube		P1: (ø) 5.5±0.2 x (L) 34.0±1 P2: (ø) 5.5±0.2 x (L) 40.0±1		mm

Note:
** Values are referenced without connector loss.*
*** The maximum IL is under all states of polarization and within the full operating temperature and wavelength ranges specified.*

Features

- Environmental Green Plan Compliance
- Wide Operating Wavelength Range
- Compasct Size
- High Channel Isolation
- Ultra Low PDL and PMD
- Highly Stable & Reliable
- Epoxy-free Optical Path

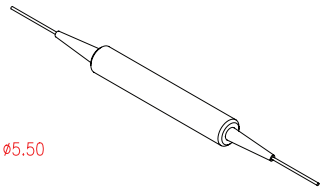
Applications

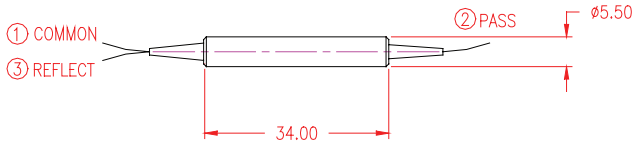
- Bi-directional WDM Systems
- Uni-directional WDM Systems
- System Monitoring
- Fiberoptic Instruments
- Transmistters & Fiber
- Laboratory R&D

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Mechanical Drawing / Package Dimensions (dimension in mm)

P1: 250 µm bare fiber





P2: 900 µm loose tube



Ordering Information

Oplink can provide a remarkable range of customized optical solutions. For detail, please contact Oplink's OEM design team or account manager for your requirements and ordering information (510) 933-7200.

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Wavelength
1310 nm pass = 1315
1550 nm pass = 1513

Fiber Length*
0.5 meter = H
1.0 meter = 1
1.5 meters = 5
2.0 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/PC = 9
MU = A
LC/APC = B

Package & Fiber Jacket
P1 + 250 µm bare fiber = 11
P2 + 900 µm loose tube = 22

** The tolerance of fiber length is +/-0.1m. (For connector option only, for without connector, just keep the length as minimum)*
** 1 meter is standard. The lead time for special fiber length will be longer.*

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