GREEN FTTX 1310/1490/1550 WDM (1x2)

MWDMGFTTX Series

Product Description

Oplink's FTTX 1310/1490/1550 WDM is based on patented athermal platform for optical device. This multiplexer features ultra low insertion loss, super thermal stability, and unparallel reliability. The technology is a lead-free packaging platform and no epoxy in the optical path. Green OADM is Telcordia GR-1221and GR-1209 tested, qualified for uncontrolled environment applications and complied with industry green initiatives such as Rohs and WEEE.

Oplink can provide customized designs to meet specialized feature applications. Also, Oplink offers modular assemblies that integrate other components to form a full function module or subsystem.



Performance Specification

MWDMGFTTX Series		Min	Typical	Max	Unit
Pass Channel Wavelength Range λ_P			1260 ~ 1360, 1480 ~ 1500		nm
Reflection Channel Wavelength Range λ_R			1550 ~ 1560		nm
Insertion Loss (Over all wavelength range and all temp,all SOP)	Pass Channel		0.7	0.8	dB
	Reflect Channel		0.5	0.6	dB
Polarization Dependent Loss (PDL)				0.2	dB
Polarization Mode Dispersion				0.2	ps
Pass Channel Ripple				0.5	dB
Isolation	Add/Drop @ λR	40			dB
	Express @ λP	25			dB
Directivity		50			dB
Return Loss		50			dB
Operating Power				300	mW
Fiber Type			Corning SMF-28		
Operating Temperature			0 to +70		°C
Storage Temperature			-40 to +85		°C
Package Dimensions	250 µm Bare Fiber		P1: (ø) 5.5(±0.2) x (L) 34.0(±1)		mm
	900 µm Loose Tube		P2: (ø) 5.5(±0.2) x (L) 40.0 (±1)		

Note:
** All spec excluding connectors*
*** The maximum IL is under all states of polarization and within the full operating temperature and wavelength ranges specified.*

Features

- Environmental Green Plan Compliance
- Ultra-low Insertion Loss
- Narrow Down Distribution
- Super Thermal Stability
- High Channel Isolation
- High Reliability
- Epoxy-free Optical Path

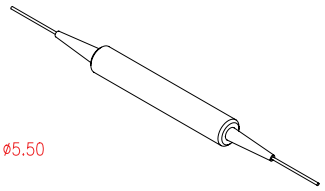
Applications

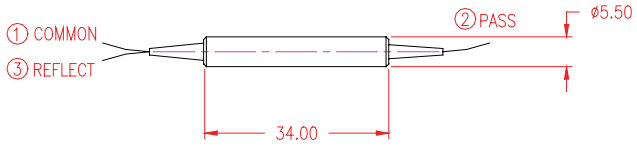
- WDM System for Metro/Access Market
- FTTX Application

OPLINK

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.

MWDMG [F] [T] [T] [X] [S] [0] [ ] [ ] [ ] [ ]

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, 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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