

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

MWDMGFTTX Series

Features

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

Applications

- ◆ WDM System For Metro/Access Market
- ◆ FTTX Application

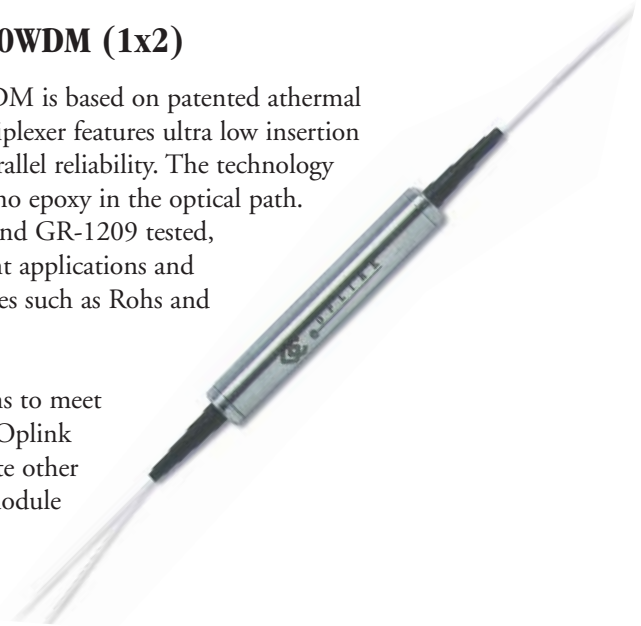
Oplink Fiber Optic Product Lines

- ◆ Amplifier Components
- ◆ Amplifier Modules
- ◆ DWDMs
- ◆ Switching/Routing/
Monitoring/Conditioning
- ◆ Transmission
- ◆ RGB Laser Modules

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

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 unparalleled reliability. The technology is a lead-free packaging platform and no epoxy in the optical path. Green OADM is Telcordia GR-1221 and 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 Specifications

Parameter	Note	Min	Typical	Max	Unit	
Pass Channel Band λ_P		1260~1360, 1480~1500			nm	
Reflect Channel Band λ_R		1550~1560			nm	
Insertion Loss (Over all wavelength range and all temp., all SOP)	Pass	0.7		0.80	dB	
	Reflect	Standard	0.5		0.60	dB
		High Isolation	0.7		0.80	dB
Polarization Dependent Loss (PDL)					0.20	dB
Polarization Mode Dispersion					0.20	ps
Pass Channel Ripple					0.5	dB
Isolation	Add/Drop @ λ_R	40			dB	
	Express @ λ_P	Standard	30		dB	
		High Isolation	45		dB	
Return Loss		50			dB	
Directivity		50			dB	
Operating Power					300	mW
Operating Temperature		0			70	°C
Storage Temperature		-40			85	°C
Package Dimension *	SMF-28 Bare Fiber	P1: (Ø)5.5×(L)34			mm	
	900 μ m loose tube	P2: (Ø)5.5×(L)40			mm	

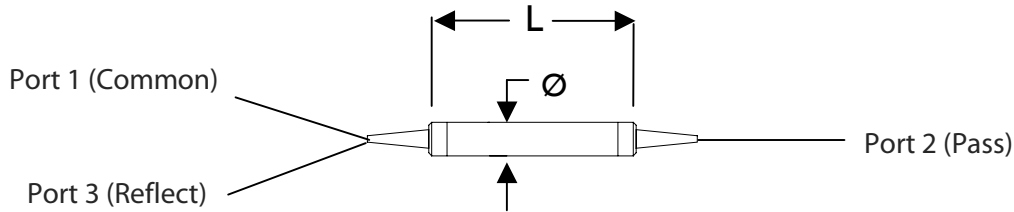
* The mechanical tolerance should be +/- 0.2 mm on all package dimensions unless otherwise custom specified.

* All spec excluding connectors

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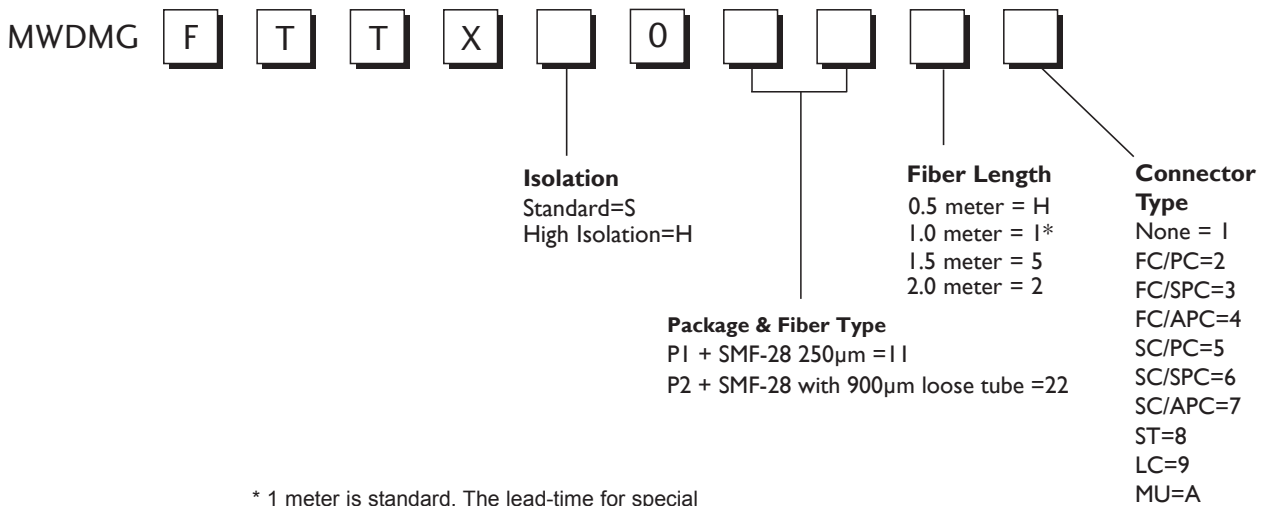
MWDMGFTTX SERIES

Mechanical Footprint Packaging Dimension (unit: mm)



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.



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

