

GREEN 200 GHz SINGLE CHANNEL OADM (1x2)

OADM G2 1x2 Series

Product Description

Oplink's 200GHz single channel OADM 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 200GHz 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 Specification

OADM G2 200GHz (1x2) Series		Min	Typical	Max	Unit
Center Wavelength λ_c		ITU Grid, 1528~1640			nm
Channel Spacing		200			GHz
Passband Bandwidth		$\lambda_c \pm 0.25$			nm
Insertion Loss (Over all wave-length range and all temp, all SOP)	Pass-channel	0.60	0.70		dB
	Reflect-channel	0.35	0.40		
Polarization Dependent Loss (PDL)		0.10			dB
Polarization Mode Dispersion (PMD)		0.10			ps
Isolation (All temp, all SOP)	Pass-channel @ Adjacent Channel Isolation	30			dB
	Pass-channel @ Non-adjacent Channel Isolation	40			
	Reflect-Channel @ Pass Band	12			
Return Loss		45			dB
Directivity		50			dB
Operating Power		500			mW
Operating Temperature		0 to +70			°C
Storage Temperature		-40 to +85			°C
Fiber Type		Corning SMF-28			
Package Dimensions	250 μ m Bare Fiber	P1 (Φ)5.5x (L)34.0			mm
	900 μ m loose tube	P2 (Φ)5.5x (L)40.0			

Note:

¹⁾ All the parameters are excluding connectors.

²⁾ The mechanical tolerance should be +/-0.2mm on all package dimensions unless otherwise custom specified

³⁾ The maximum IL is under all states of polarization and within the full operating temperature and wavelength ranges specified.

Features

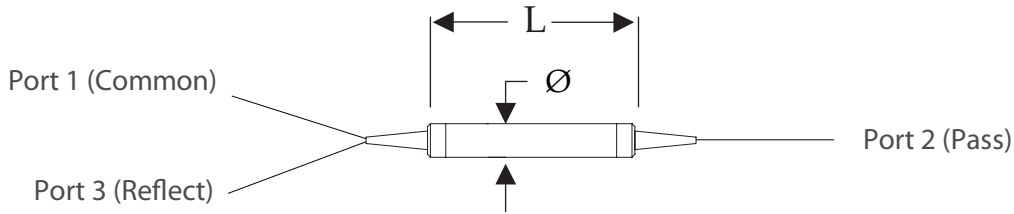
- ◆ RoHS & WEEE Green Compliant
- ◆ No Epoxy in Optical Path
- ◆ Ultra-Low Insertion Loss
- ◆ Ultra Stable
- ◆ Ultra Reliable
- ◆ Narrow Distribution
- ◆ Qualified for both CO and UNC Applications

Applications

- ◆ Dense WDM System
- ◆ CATV Fiberoptics Links

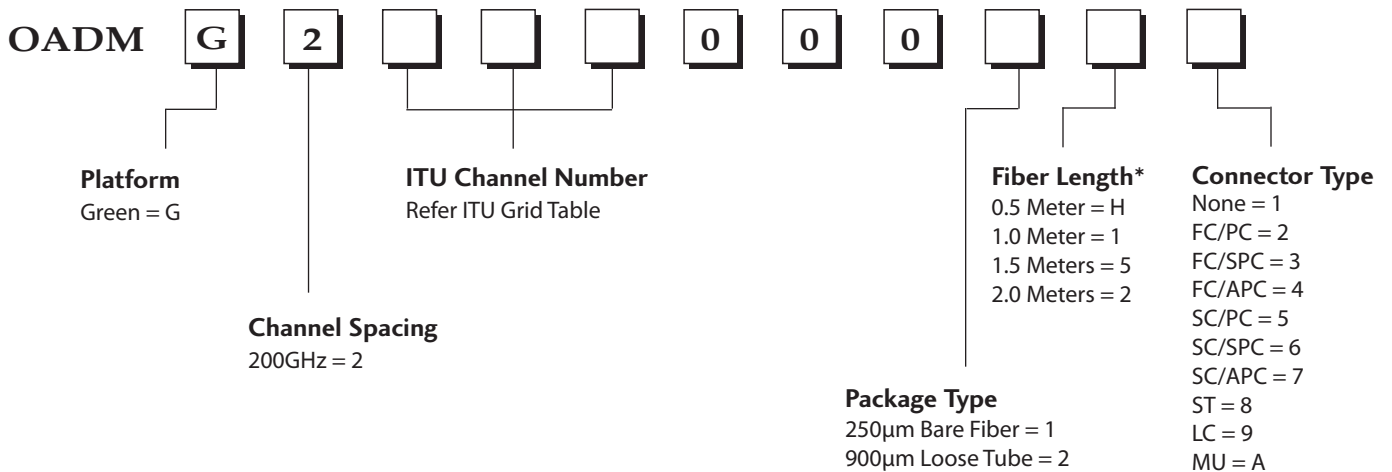
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Mechanical Drawing / Package Dimensions (dimension in mm)



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.



* The tolerance of fiber length is +/-0.1m.

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