

# GREEN 100 GHz SINGLE CHANNEL OADM (1x2)

## OADMG1 1x2 Series

### Product Description

Oplink's 100GHz 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 DWDM 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

OADMG 100GHz (1x2) Series		Min	Typical	Max	Unit	
Center Wavelength $\lambda_c$		ITU Grid, 1528~1640			nm	
Channel Spacing		100			GHz	
Passband Bandwidth		$\lambda_c \pm 0.11$			nm	
Insertion Loss (Over all wavelength range and all temp, all SOP)	Pass-channel		0.75	0.85	dB	
	Reflect-channel		0.40	0.45		
Polarization Dependent Loss (PDL)					0.20	dB
Polarization Mode Dispersion (PMD)					0.20	ps
Isolation (All temp, all SOP)	Adjacent Channel Isolation	30			dB	
	Non-adjacent Channel Isolation	40				
	Reflect-Channel	14				
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 <sup>*)</sup>	250 $\mu$ m Bare Fiber	P1 (Φ)5.5x (L)34.0			mm	
	900 $\mu$ m loose tube	P2 (Φ)5.5x (L)40.0				

Note:

<sup>\*)</sup> All the parameters are excluding connectors.

### Features

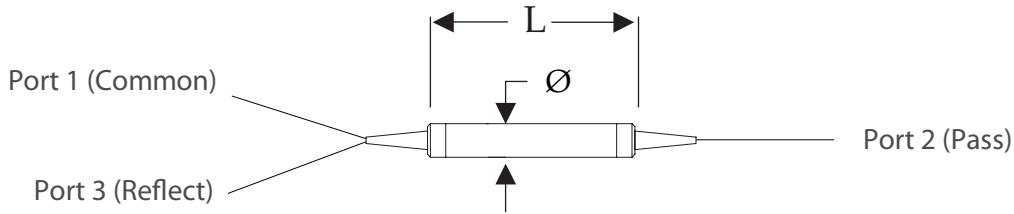
- ◆ Environmental Green Plan Compliance
- ◆ Ultra-Low Insertion Loss
- ◆ Narrow Down Distribution
- ◆ Super Thermal Stability
- ◆ Highly Reliability
- ◆ High Channel Isolation

### Applications

- ◆ Dense WDM Systems
- ◆ CATV Fiberoptics Links

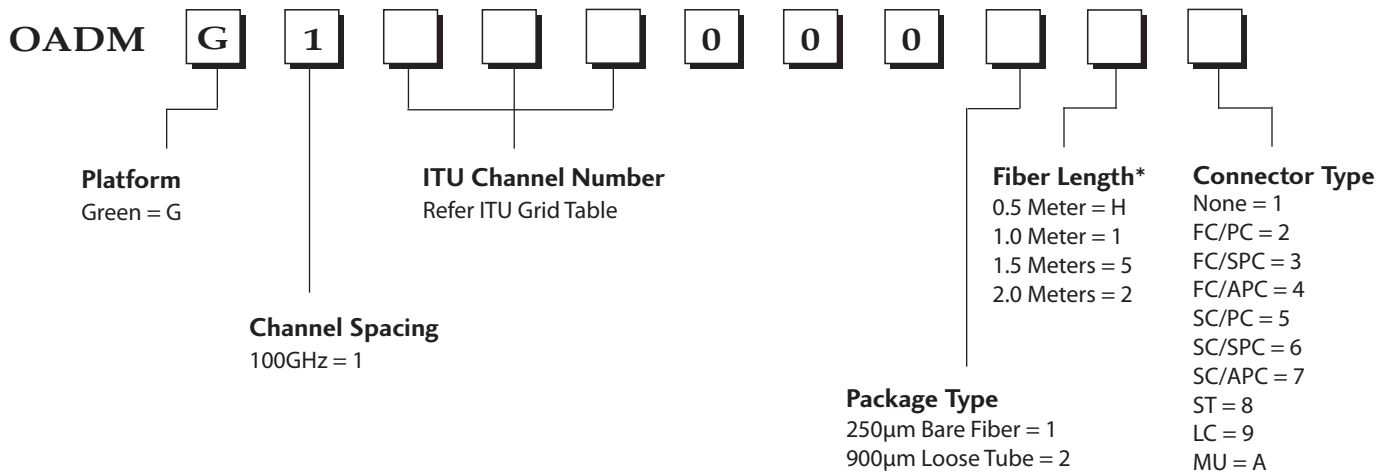
**OADMG1 1x2 SERIES**

**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.



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