# GREEN 200 GHz SINGLE CHANNEL OADM (2x2)

## OADMG2 2x2 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 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 200GHz (2x2) Series | | Min | Typical | Max | Unit |
|---|---|---|---|---|---|
| Working Wavelength Range | | | 1528~1640 | | nm |
| Center Wavelength $\lambda_C$ | | | ITU Grid | | nm |
| Channel Spacing | | | 200 | | GHz |
| Passband Bandwidth | | | $\lambda_C \pm 0.25$ | | nm |
| Insertion Loss [1] | Add/Drop | | 0.60 | 0.70 | dB |
| | Express | | 0.70 | 0.80 | |
| Add/Drop Adjacent Channel Isolation | | 30 | | | dB |
| Add/Drop Non-adjacent Channel Isolation | | 40 | | | dB |
| Express Channel Isolation | | 24 | | | dB |
| Polarization Dependent Loss (PDL) | | | | 0.20 | dB |
| Polarization Mode Dispersion (PMD) | | | | 0.10 | ps |
| 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 [3] | | | 125 x 90 x 8 | | mm |

*Note:*

*[1] The maximum IL is under all states of polarization and within the full operating temperature and wavelength ranges specified..*

*[2] All the parameters are excluding connectors.*

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

### Features

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

### Applications

- Add/Drop Channels
- Dense WDM System
- CATV Fiberoptic Links

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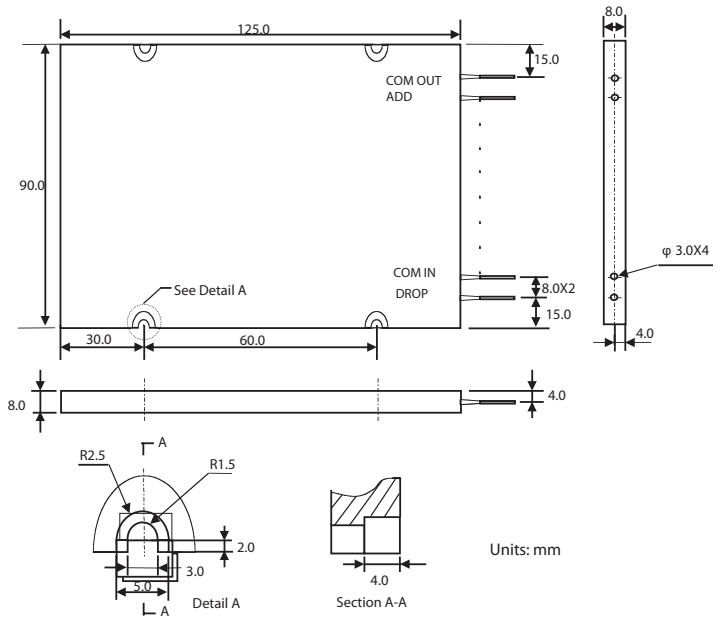
# OADMG2 2x2 SERIES

## 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.

OADM [G] [2] [0] [1] [ ] [ ] [ ] [2] [0] [ ] [ ]

**Platform**
Green = G

**Channel Spacing**
200GHz = 2

**Channel**
1Ch = 01

**ITU Channel Number**
Refer ITU Channel Table

**Fiber Jacket**
900μm Loose Tube = 2

**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 = 9
MU = A

** The tolerance of fiber length is +/-0.1m. 1 meter is standard. The lead-time for special fiber length will be longer.*



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