

ABS Box CWDM OADM

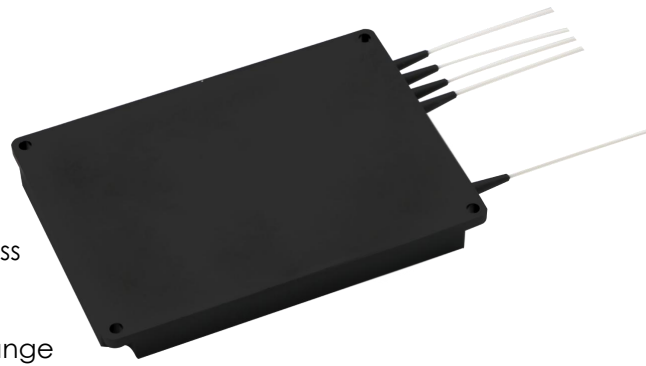
1270nm to 1610nm, 1-8CH

Description

The GrowsFiber ABS Box CWDM OADM is designed for optical add/drop multiplexing optical signals in multi-wavelength CWDM network applications. It is based on TFF technology and operates at 20nm channel spacing ITU Grid CWDM wavelengths from 1270nm to 1610nm. The Port Configuration (1-8CH Add/Drop Ports), Box Size, Fiber Type, Fiber Length, and Connector Type can be customized.

Features

- Low insertion loss
- High isolation
- Low polarization dependent loss
- Compact design
- Wide operating wavelength range
- High reliability and high stability
- Telcordia GR-1209-CORE-2001 compliant
- Telcordia GR-1221-CORE-1999 compliant
- ITU-T G.694.2 compliant
- RoHS compliant



Applications

- Metro Optical Transport Network
- Telecommunications Network

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Specifications

Parameters	Channel Options							
Port Configuration	1CH	2CH	3CH	4CH	5CH	6CH	7CH	8CH
Center Wavelength (nm)	1270 to 1610							
Operating Wavelength (nm)	1260 to 1620							
Channel Space (nm)	20							
Pass Band (nm)	ITU±6.5							
Add/Drop Channel IL (dB)	< 1.2	< 1.6	< 1.8	< 2.0	< 2.2	< 2.4	< 2.8	< 3.2
Input/Output Channel IL (dB)	< 1.0	< 1.6	< 1.8	< 2.2	< 3.2	< 3.4	< 3.8	< 4.0
Adjacent Channels Isolation (dB)	≥ 30							
Non-Adjacent Isolation (dB)	≥ 40							
Directivity (dB)	> 50							
Return Loss (dB)	> 45							
Ripple (dB)	< 0.5							
PDL (dB)	< 0.2							
PMD (ps)	< 0.1							
Maximum Optical Power (mw)	300							
Operating Temperature (°C)	-5 to +75							
Storage Temperature (°C)	-40 to +85							
Package (mm) (L×W×H)	80×58×8, 100×80×10, 120×80×18, 140×115×18							

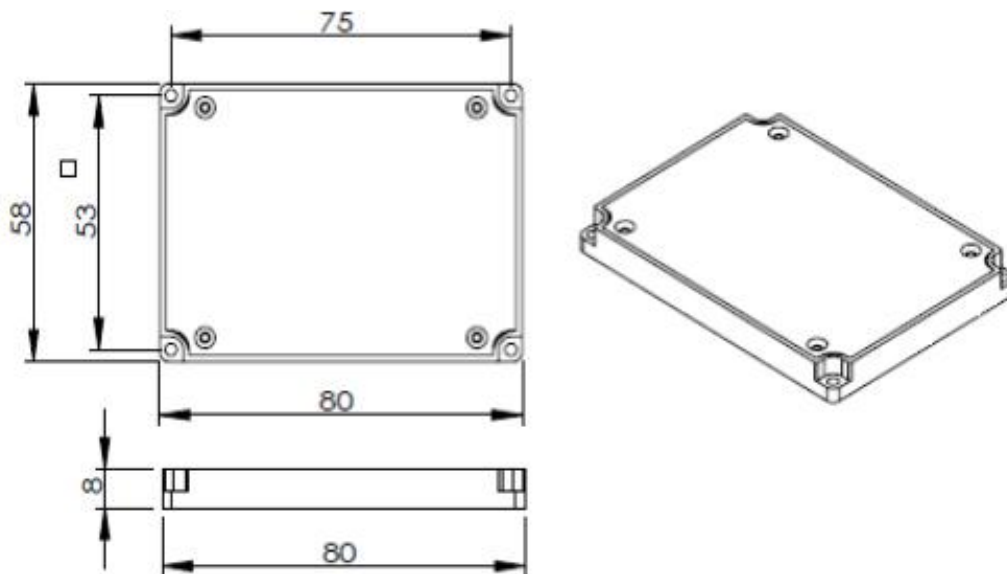
Notes: All specifications are based on the devices with connectors, and guaranteed over wavelength and temperature. Fiber type is G657A.

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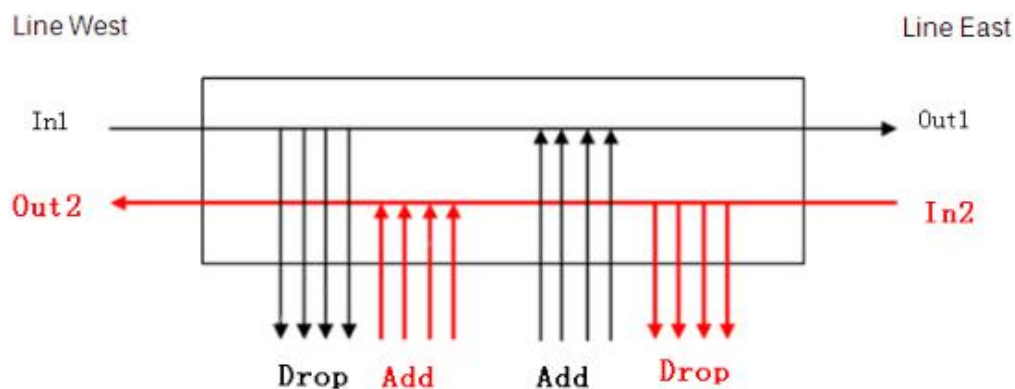
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Mechanical Dimensions

Example:



Structure Diagram



ABS Box CWDM OADM

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Ordering Information

Part Number	Description
GFCOA1	ABS Box CWDM OADM, 1CH
GFCOA2	ABS Box CWDM OADM, 2CH
GFCOA3	ABS Box CWDM OADM, 3CH
GFCOA4	ABS Box CWDM OADM, 4CH
GFCOA5	ABS Box CWDM OADM, 5CH
GFCOA6	ABS Box CWDM OADM, 6CH
GFCOA7	ABS Box CWDM OADM, 7CH
GFCOA8	ABS Box CWDM OADM, 8CH

Note: If there is a demand for orders that are different from those described above, please contact GrowsFiber. Customized options are shown as following:

Add/Drop Ports	1270nm to 1610nm (20nm Spacing)
Box Size	80×58×8, 100×80×10, 120×80×18, 140×115×18
Fiber Type	None, 250um bare fiber, 0.9mm loose tube, 2.0mm loose tube
Fiber Length	1.0m, 1.5m, 2.0m, 2.5m, ...
Connector Type	None, LC/UPC, LC/APC, SC/UPC, SC/APC, FC/UPC, FC/APC