

1-Channel OADM Modules

100 GHz/200 GHz

DESCRIPTION

Browave wavelength division Optical Add/Drop Multiplexer (OADM) is based on thin-film filter technology and high-reliability micro optics packaging. Browave provides high quality OADM with flat channel bandwidth, flexible channel configuration, low insertion loss and high isolation. It is designed to add or drop a particular wavelength and is ideal for telecommunications and network. All Browave products are epoxy-free in the optical path and are used in high-power applications in DWDM systems.

FEATURES

- ↓ Telcordia GR-1221 and GR-1209 Compliance
- ↓ High Channel Isolation
- ↓ Low Insertion Loss
- ↓ Epoxy-Free Optical Path
- ↓ Customized Specifications Available

APPLICATIONS

- ↓ Dense WDM System
- ↓ CATV Fiberoptic Link
- ↓ Longhaul/Metro Communication Networks
- ↓ Fiber Amplifier System
- ↓ Fiber Optic Instruments

SPECIFICATIONS

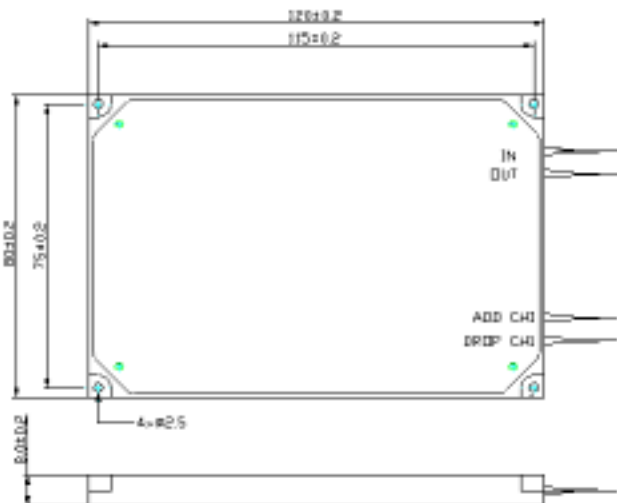
Parameter	100 GHz	200 GHz
Operating Wavelength	C & L Bands	
Channel Passband	ITU \pm 0.11 nm	ITU \pm 0.25 nm
Maximum Insertion Loss (with connectors)	In-Drop	1.2 dB
	Add-Out	1.2 dB
	In-Out	1.0 dB
Minimum Channel Isolation (In – Drop and Add – Out)	25 dB	30 dB
Minimum Express Channel Isolation (In-Out)	25 dB (Standard)	
Minimum Return Loss	45 dB	
Maximum Thermal Dependent Loss (relative to 23°C)	\pm 0.15 dB	
Maximum Polarization Dependent Loss	0.10 dB	
Maximum Polarization Mode Dispersion	0.20 ps	0.10 ps
Maximum Channel Uniformity	1.0 dB	
Maximum Passband Ripple	0.5 dB	
Minimum Tensile Load	5 N	
Minimum Power Handling	300 mW	
Operating Temperature	-5°C ~ 70°C	
Storage Temperature	-40°C ~ 85°C	
Pigtail Type	900 μ m, 2 mm, 3 mm	
Connector Type	FC, SC, MU, LC	
Package Dimension (L x W x H)	120 x 80 x 8 mm (standard)	



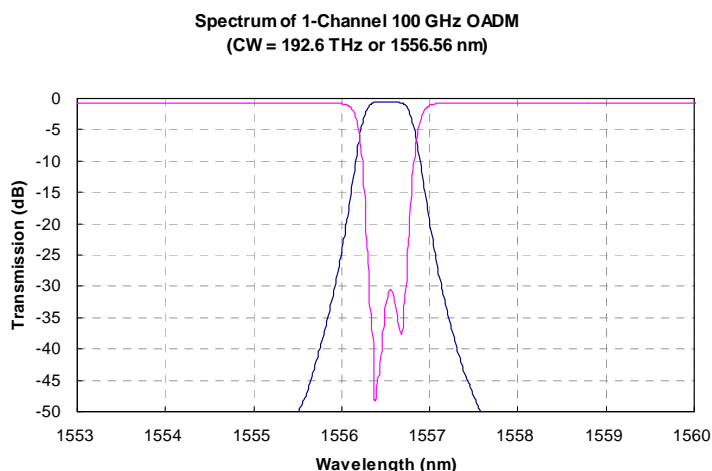
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PACKAGING DIMENSION



SPECTRUM



ORDERING INFORMATION

<p>O A D M - [] [] [] - [] [] [] [] [] [] []</p> <p>Channel Spacing 2 = 200 GHz 1 = 100 GHz</p> <p>Express Isolation S = Standard C = Customized</p> <p>Number of Channel 1 = 1-Channel 2 = 2-Channel 3 = 3-Channel C = Customized</p> <p>Package Size S = 120x80x8 C = Customized</p>	<p>First ITU CH# 210 = 192.1 THz 220 = 192.1 THz 310 = 193.1 THz </p> <p>Fiber Length 1 = 1 meter 2 = 2 meter 3 = 3 meter C = Customized</p> <p>Fiber Type 1 = 900um Tight Buffer 2 = Rugged 2mm Cable 3 = Rugged 3mm Cable C = Customized</p>	<p>Connector Type 0 = None 1 = FC/UPC 2 = SC/UPC 3 = MU/UPC 4 = LC/UPC C = Customized</p>
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Notes:

1. Specifications might be changed due to different channel numbers.
2. For specified design requirements, please contact your Browave account manager or call Browave directly.



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