

# CWDM Mux/Demux/OADM Modules and Devices



## FEATURES

- ✓ Modularized Design
- ✓ CWDM Mux/Demux/OADM
- ✓ ITU CWDM Grid
- ✓ Low Loss & Highly Reliable

## APPLICATIONS

- Optical Add/Drop Multiplexing
- Telecom Networks
- Metro Networks

## Specifications of CWDM Mux/Demux/OADM Modules and Devices

Parameter	Unit	4 Channel	8 Channel	16 Channel	18 Channel
Central Wavelength	nm	ITU CWDM Grid: 1271 to 1611; (OR) 1270 to 1610			
Channel Spacing	nm	20			
Channel Passband	nm	±6.5 / ±7.5			
Insertion Loss	dB	≤1.5	≤2.5	≤3.5	≤3.5
Channel Uniformity	dB	≤0.6	≤1.0	≤1.5	≤1.5
Passband Ripple	dB	≤0.4			
Adjacent Channel Isolation	dB	≥30 (Demux); N/A (Mux)			
Non-Adjacent Channel Isolation	dB	≥40 (Demux); N/A (Mux)			
Return Loss	dB	≥45			
Directivity	dB	≥50			
Polarization Dependent Loss	dB	≤0.1			
Polarization Mode Dispersion	ps	≤0.1			
Wavelength Thermal Stability	nm/°C	≤0.002			
Insertion Loss Thermal Stability	dB/°C	≤0.005			
Power Handling	mW	300; (OR) 500			
Fiber Type	/	SMF-28e compatible fiber			
Operating Temperature	°C	-5 to +70; (OR) -40 to +85			
Storage Temperature	°C	-40 to +85			
<b>Package</b>					
Box	mm	100x80x10; 120x80x18; 140x115x18; (OR) Custom			
LGX	mm	1U: 29x155.5x129; 2U: 58x155.5x129			
19" Rackmount	mm	1U: 483x250x43.6			

Notes: Above data are test results without connectors. Insertion loss of one pair of connector is less than 0.3 dB.

This CWDM Mux/Demux/OADM module is customizable and above specifications are subject to change without notice.



Optical Components, Fiber Optic Devices, Modules, and more.

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## Ordering Information of CWDM Mux/Demux/OADM Modules and Devices

	Channel Number	Type	Package	Operating Temperature	Wavelength	Pigtail Type	Fiber Length	Connector
<b>CWDM Mux / Demux / OADM Module</b>	4CH	Mux	Box	-5 to +70°C	1271 / 1270	900um loose tube	0.50±0.05m	None
	8CH	Demux	LGX	-40 to +85°C	1291 / 1290	2mm cable	1.00±0.05m	LC/PC
	16CH	OADM	Rackmount		...	3mm cable	Custom ...	LC/APC
	18CH				1611 / 1610			SC/PC SC/APC FC/PC FC/APC ST Custom ...