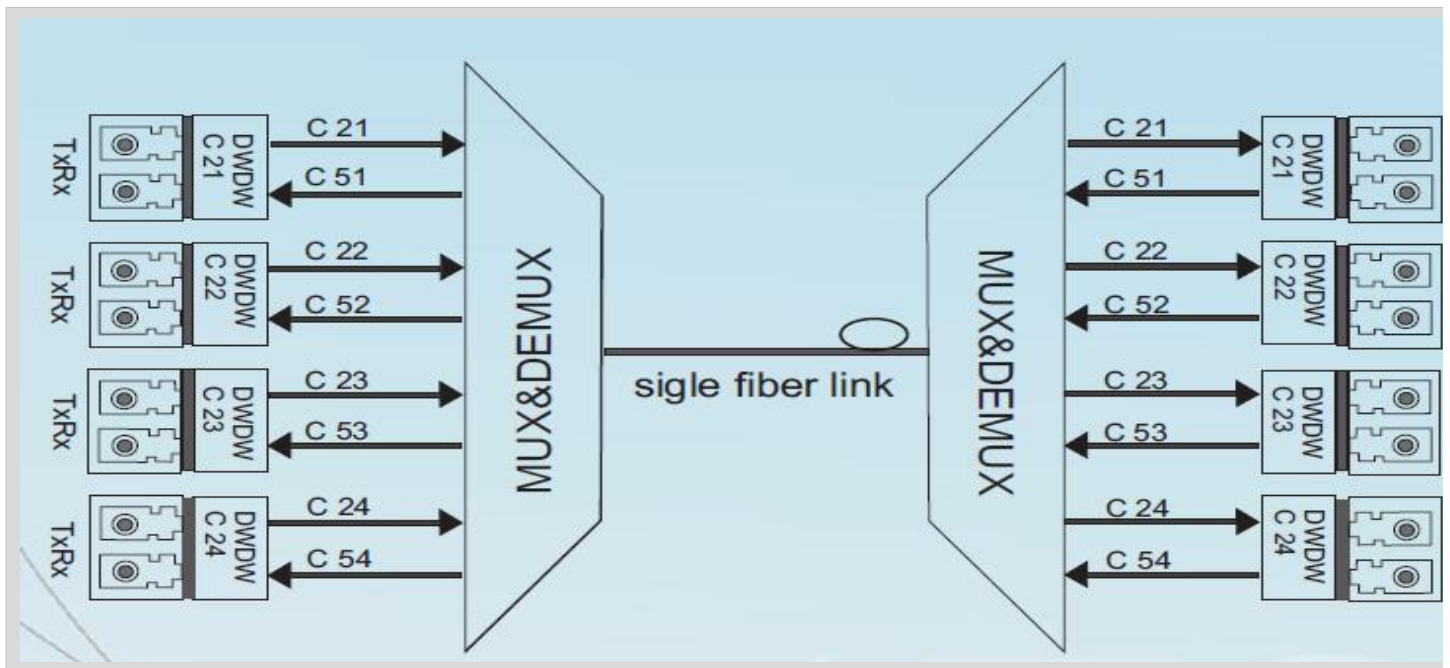


## DWDM Mux & Demux Simplex

ATOP's DWDM module is compact and has the properties of low insertion loss, low crosstalk, and wide pass bandwidth high isolation, which enables users to establish a low cost bi-directional optical communication system

### Product Features

- Low Insertion Loss
- High Isolation
- Low PDL
- Compact Design
- Good channel-to-channel uniformity
- Wide Operating Wavelength: from 1260nm to 1620nm
- Wide Operating Temperature: from -40 to 85°C



4 channels Simplex BIDI Transmission DWDM Mux & DEMUX

Simplex Bi-Directional Transmission should be used in pairs, MUX/DEMUX Port for specific wavelength must be opposite

### Applications

DWDM System	CATV Links
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PON Networks	
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## Compliance

Telcordia GR-1209-CORE-2001	RoHS
Telcordia GR-1221-CORE-1999	ITU-T G.694.1

## DWDM Specifications

### 1×N DWDM Mux/Demux Module

Parameters							
Channel Space (GHz)		100			200		
Channel Number		1*4	1*8	1*16	1*4	1*8	1*16
Center Wavelength (nm)		ITU Grid					
Center Wavelength Accuracy (nm)		± 0.05			± 0.1		
Channel Passband (@-0.5dB) (nm)		0.22			0.5		
Fiber Type		SMF-28e with 900um loose tube or customer specified					
IL (dB)		1.8	3.0	4.0	1.7	2.9	3.8
Passband Ripple (dB)		0.35	0.4	0.5	0.35	0.4	0.5
Isolation (dB)	Adjacent Channel	25			28		
	Non-Adjacent Channel	40					
PDL(dB)		0.2					
PMD(ps)		0.1					
RL (dB)		45					
Directivity (dB)		50					
Maximum Optical Power (mw)		300					
Operating Temperature (°C)		-40~85					
Storage Temperature (°C)		-40~85					
BOX Package(mm)		100*80*10	120*80*10	140*114*18	100*80*10	120*80*10	140*114*18
LGX Package		1U,2U					
19" Rack mount Package		1U					

#### Notes:

- Specified without connectors.



Connects fiber to your home

**ATOP Corporation**

AP-DWDM-8MDS-LGX

2. Add an additional 0.2dB loss per connector

## For More Information

ATOP Technology

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