

DWDM Mux/Demux Module

1. Features

- Low Insertion Loss
- High Isolation
- Low PDL
- Compact Design
- Good channel-to-channel uniformity
- Wide Operating Wavelength:
- From 1460nm to 1620nm
- Wide Operating Temperature:
- From -40° to 85°
- High Reliability and Stability

2. Applications

- DWDM System
- PON Networks
- CATV Links

3. Compliance

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

4. Specifications

1xN 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+0.8+0.8	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 or 140*115*18					
LGX Package		1U,2U					
19" Rack mount Package		1U					

Notes:

1. Specified without connectors.
2. Add an additional 0.2dB loss per connector.

5. Mechanical Dimensions DWDM Mux/Demux Module

