

DWDM MUX/DEMUX Module

- **Features**
- Low Insertion Loss
- Compact Size
- High Channel Isolation
- High Stability and Reliability
- Epoxy-Free on Optical Path



1. Applications

- Line Monitoring
- WDM Network System
- Telecommunication Network System
- CATV System
- Cellular Application
- Optical Amplifier
- Optical MAN /Access Networks
- Single Direction/Bi-Direction Transmission



2. Compliance

- Telcordia GR-1209-CORE-2001
- Telcordia GR-1221-CORE-1999
- RoHS



3. Product Standard

Parameter		Unit	DEMUX&MUX				
Center Wavelength		nm	ITU Grid				
Channel Space		GHz	100			200	
Central Wavelength Accuracy		nm	±0.05			±0.1	
Channel Spacing		nm	0.8			1.6	
Channel Count			1×2	1×4	1×8	1×16	1×N
Insertion Loss	Max	dB	1.4	1.8	2.8	4.8	$N=0.30 \times (N-1)+0.6$
Channel Passband(@-0.5dBbandwidth) (@-0.5dB)		Min	nm	$\lambda_{ITU} \pm 0.11$			$\lambda_{ITU} \pm 0.22$
Isolation	Adjacent channel	Min	dB	30			

	Non-adjacent channel	Min	dB	40
Passband Ripple		Max	dB	0.30
Polarization Dependent Loss		Max	dB	0.10
Temperature Dependent Loss		Max	dB/°C	0.005
Directivity		Min	dB	50
Return Loss		Min	dB	45
Polarization Mode Dispersion		Max	ps	0.10
Power Handling		Max	mW	300
Pigtail Type		mm		0.9 loose tube or Client Specify
connector Type		--		Client Specify
Fiber Type		--		SMF-28e or Client Specify
Fiber length		m		≥1.0 or Client Specify
Operating Temperature		°C		-20 ~ 70
Storage Temperature		°C		-40 ~ 85
Package Dimension		mm		100×80×10 or Client Specify

Note: 1. All Parameters Are For Device Without Connectors.

2. Special Specifications Can Be Customized According To Customer Requirements.

4. Structure Chart

