

# 100G/200G OADM & Mux/Demux Module

## Features:

- Low Insertion Loss
- High Channel Isolation
- Epoxy-Free in Optical Path
- Telcordia Compliant

## Applications:

- Add/Drop System
- Bi-directional Network
- CATV System



## Specifications:

Parameters		Unit	100G	200G
Central Wavelength		nm	ITU Grid	ITU Grid
Channel Passband		nm	$\lambda_c \pm 0.11(\text{Min})$	$\lambda_c \pm 0.25(\text{Min})$
Maximum Add/Drop Channel Insertion Loss		dB	$\leq 1.6$ (2 Channel)	
			$\leq 2.0$ (4 Channel)	
			$\leq 3.0$ (8 Channel)	
			$\leq 5.8$ (16 Channel)	
Isolation	Adjacent Channel	dB	$\geq 28$	$\geq 30$
	Non-adjacent Channel		$\geq 40$	$\geq 40$
	Express Channel		$\geq 12$	$\geq 12$
Ripple in Passband		dB	$\leq 0.5$	$\leq 0.3$
Temperature Stability		dB/°C	$\leq 0.005$	
PDL		dB	$\leq 0.15$	
PMD		dB	$\leq 0.1$	
Return Loss		dB	$\geq 45$	
Directivity		dB	$\geq 55$	
Maximum Power Handling		mW	500	
Operating Temperature		°C	0~70	
Storage Temperature		°C	-40~85	
Packge Dimension		mm	A&B: 120(Length) × 90(Width) × 8(Height) for Al box or ABS box	
		mm	L&R: Industry standard for LGX or Rack	

1. All specifications include the effect of all states of polarization.

2. Values referenced without connectors, insertion loss for a connector-pair is 0.20dB to 0.30dB.