

## DWDM Mux/Demux OADM Module

### 1. Features

- ◆ Very Low Insertion Loss
- ◆ High Isolation
- ◆ Low PDL
- ◆ Compact Design
- ◆ Good channel-to-channel uniformity
- ◆ Wide Operating Wavelength:  
Optical Path Epoxy Free  
Telcordia 1221 Compliant
- ◆ Wide Operating Temperature:  
From -40°C to 85°C
- ◆ High Reliability and Stability

### 2. Applications

- ◆ DWDM System
- ◆ PON Networks
- ◆ CATV Links



## 4. Specifications

### 1×N DWDM Mux/Demux Module

Parameters							
Channel Space (GHz)		100 (standard)			200		
Channel Number		1*4	1*8&16	1*32	1*4	1*8	1*32
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	2.8	3.9	1.7	2.9	3.9
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)		500					
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. Ordering information

### DWDM Mux/Demux Module

HL-DWMUX40-XX-LCSR	40 channel DWDM MUXDEMUX	Customized wavelength
HL-DWMUX08-XX-LCSR	8 channel DWDM MUXDEMUX	Customized wavelength
HL-DWMUX08-XX-LCSR <sup>M</sup>	8+1 channel DWDM MUXDEMUX	Customized wavelength with one monitor
HL-DWMUX04-XX-LCSR	4 channel DWDM MUXDEMUX	Customized wavelength

xx = start channel

### Normal parts information

