

## 100GHz DWDM



### Features

- Low Insertion Loss
- Wide pass band
- High Channel Isolation
- High Stability and reliability
- Epoxy-free on Optical Path

### Applications

- Channel Add/Drop
- DWDM Network
- Wavelength Routing
- Fiber Optical Amplifier
- CATV fiberoptic System

### Performance Specifications

Parameter	4 Channel		8 Channel		16 Channel	
	Mux	Demux	Mux	Demux	Mux	Demux
Channel Wavelength (nm)	ITU 100GHz Grid					
Center wavelength Accuracy (nm)	±0.1					
Channel Spacing (nm)	100					
Channel Passband (@-0.5dB bandwidth (nm)	>0.25					
Insertion Loss (dB)	≤1.8		≤3.7		≤5.5	
Channel Uniformity (dB)	≤0.6		≤1.0		≤1.5	
Channel Ripple (dB)	0.3					
Isolation (dB)	Adjacent		>30		>30	
	Non-adjacent		>40		>40	
Inertion Loss Temperature Sensitivity (dB/°C)	<0.005					
Wavelength Temperature Shifting (nm/°C)	<0.002					
Polarization Dependent Loss (dB)	<0.1		<0.1		<0.15	
Polarization Mode Dispersion	<0.1					

Directivity (dB)	>50	<a href="http://www.corephy.com">www.corephy.com</a>
Return Loss (dB)	>45	
Maximum Power Handling (mW)	300	
Operating Temperature (°C)	-40~+85	
Storage Temperature (°C)	-40~+85	
Package dimension (mm)	100x80x10	120x80x18

Specifications may change without notice.

Above specification are for device without connector.

Ordering Information:

DWDM	Number of Channels	Module type	Cable type	Fiber length	Input connector	Output connector
DWDM	01=1Channel 02=2 Channel 03=3 Channel ..... 16=16Channel 17=17Channel 18=18Channel .....	0=100x80x10mm 1=120x80x18mm 2=LGX Box 3=19"1U Rack X=Others	00=bare fiber 09=900um loose tube 20=2.0mm 30=3.0mm	00=Adaptor 05=0.5m 10=1.0m 15=1.5m X=Customized	00=none LP=LC/UPC LA=LC/APC SP=SC/UPC SA=SC/APC FP=FC/UPC FA=FC/APC X=Customized	00=none LP=LC/UPC LA=LC/APC SP=SC/UPC SA=SC/APC FP=FC/UPC FA=FC/APC X=Customized