

100GHZ DWDM

1. Description:

DWDM is the use of the bandwidth of single mode fiber and low loss characteristics, adopt multiple wavelength as the carrier, allowing the carrier channel in the optical fiber to transmit at the same time.

2. Features:

- ◆ Low insertion loss
- ◆ High Isolation
- ◆ Low PDL
- ◆ Wide Operating Wavelength
- ◆ High Reliability and Stability

3. Applications:

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

4. Specifications:

Parameter		Mux	Demux
Channel Wavelength (nm)		1530.33~1560.61(21~59 ITU grid)	
Center Wavelength Accuracy (nm)		±0.05	
Min.Channel Separation (nm)		100(0.8nm)	
Channel Passband (@-0.5dB) (nm)		≥0.22	
IL (dB)	Transmission band	≤ 1.0	
	Reflection band	≤ 0.4	
Passband Ripple (dB)		≤ 0.3	
Isolation (dB)	Adjacent Channel	N/A	≥ 25
	Non-Adjacent Channel	N/A	≥ 35
Reflection Isolation (dB)		≥12	
IL Temperature Sensitivity (dB/℃)		≤ 0.003	
Wavelength Temperature Shifting (nm/℃)		≤ 0.002	
Polarization Dependent Loss (dB)		≤ 0.10	
Polarization Mode Dispersion (ps)		< 0.1	
Directivity (dB)		≥50	
RL (dB)		≥ 45	
Maximum Optical Power (mW)		300	
Operating Temperature (℃)		0℃~+70℃	
Storage Temperature (℃)		-40℃~+85℃	
Dimension (mm)		φ5.5×L34(L38 for 900um Jacket)	

5. Order Information:

SDWDM	Channel Space	Configuration	ITU Channel	Fiber Type	Fiber Length	Connector
	1=100GHz	M=Mux D=Demux	C21=1560.61nm C23=1558.98nm	1=Bare Fiber 2=900um Fiber 3=3mm Cable	1=1 m 2=2 m	0=None 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=ST 6=LC