



Polarization Maintaining DWDM Module

I&Optics' polarization maintaining DWDM Module can divide / multiplex some ITU-T DWDM wavelngths to different output ports / a same output port in DWDM system by cascading DWDM devices. It features low insertion loss, high extinction ratio, high channel isolation and flat band property. It can be used in lasers, telecom, sensors, instruments, testing systems and R&D.

Specification

Parameter	Test Condition	Unit	Value	
Port Configuration	-	-	1 x N (DWDM Channel Number)	
Filter Type	-	GHz	100	200
Nominal Center Wavelength	All Ports	nm	ITU-T Grid	
Pass Band Wavelength	Port C to Port 1~N	nm	+/-0.11	+/-0.26
Reject Band Wavelength	Port C to Port 1~N	nm	1500~CWL-0.68 & +0.68~1620	1500~CWL-1.3 & +1.3~1620
Max. Channel IL	Port C to Port 1~N	dB	0.8+0.4*(N-1)	0.6+0.4*(N-1)
Min. Channel Isolation	Port C to Port 1~N	dB	25, Typ. 30	
Min. Extinction Ratio	at 23°C, at Slow or Fast Axis	dB	20, Typ. 22(N<3), 18, Typ. 20(N<5), 16, Typ. 18(N<9)	
Max. Thermal Stability	-	dB/°C	0.005(N<3), 0.006(N<5), 0.008(N<9)	
Min. Directivity	between Port 1~N	dB	50	
Min. Return Loss	-	dB	50	
Max. Power Handling Rate	Continuous Wave, Total Power	mW	500 or Specify	
Fiber Type	-	-	PM 1550 Panda Fiber or Specify	
Max. Fiber Tensile Load	-	N	5	
Operating Temperature	-	°C	-5 to 70	
Storage Temperature	-	°C	-40 to 85	

Above values are for device without connectors. For device with connectors, IL will be 0.3dB higher, ER will be 2dB lower, and return loss will 5dB lower.

The default alignment of working polarization and connector key is to slow axis of fiber. Special requirement please call.

Package Dimensions

Detailed Informations and Dimensions Please Contact Us. Customized Design Is Available Upon Request.

Ordering Informations

PMDWDM-①-②-③-④-⑤-⑥-⑦

① - Center Wavelength

② - Channel Number

④ - Connector Type

⑥ - Fiber Length

CXX - Start CHXX in C-Band

N - Channel Number N

1 - FC/UPC

0.8 - 0.8m

LXX - Start CHXX in L-Band

2 - FC/APC

SSS - Specify

③ - Filter Type

3 - SC/UPC

1 - 100GHz

4 - SC/APC

2 - 200GHz

⑤ - Fiber Jacket

B - Bare Fiber

L - 900um Loose Tube