

Polarization Maintaining Isolator WDM

1. Description:

The PMIWDM is a hybrid device that has functions of WDM and isolator in a single compact package. The PMIWDM is characterized with low insertion loss, high extinction ratio, high isolation, high return loss and excellent environmental stability and reliability. It is an ideal choice for amplifier application to combine signal and pump wavelength with stable signal isolation.

2. Features:

High Isolation
 Low insertion loss
 High Return Loss
 High Extinction Ratio
 Excellent Environment Stability and Reliability.

3. Applications:

Fiber Laser
 Fiber Sensor
 Optical Amplifier

4. Specifications:

Parameter	Single Stage	Dual Stage	Single Stage	Dual Stage
Operating Wavelength (nm)	T1064±5/R980±5		T1530~1580/R980±15	
Isolation (dB)	≥ 30	≥ 45	≥ 30	≥ 45
Insertion Loss (dB)	≤ 2.3	≤ 3.5	≤ 0.8	≤ 1.0
Extinction Ratio (dB)	≥ 20		≥ 20/23	
Return Loss (dB)	≥ 50			
Power Handling (mW)	≤ 300		≤ 500	
Operating Temperature (°C)	-5~+70			
Storage Temperature (°C)	-40~+85			
Fiber Type	PM for Com and Pass port, PM or SM for Pump port			
Package Dimensions (mm)	ø5.5xL35			

5. Order Information:

Stage	Operating Wavelength	Fiber Type	Fiber Length	Connector
S= Single Stage D= Dual Stage	9815= T1550/980 etc	1=SMF-28E 4=others	0=250 um 1=900um 2=2m 3=3m 4=others	0=None 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=ST 6=LC