

Polarization Maintaining Isolator WDM (PMIWDM)

Description

The Polarization Maintaining Isolator WDM 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 ideal choice for fiber amplifier application to combine signal and pump wavelength with stable signal isolation.

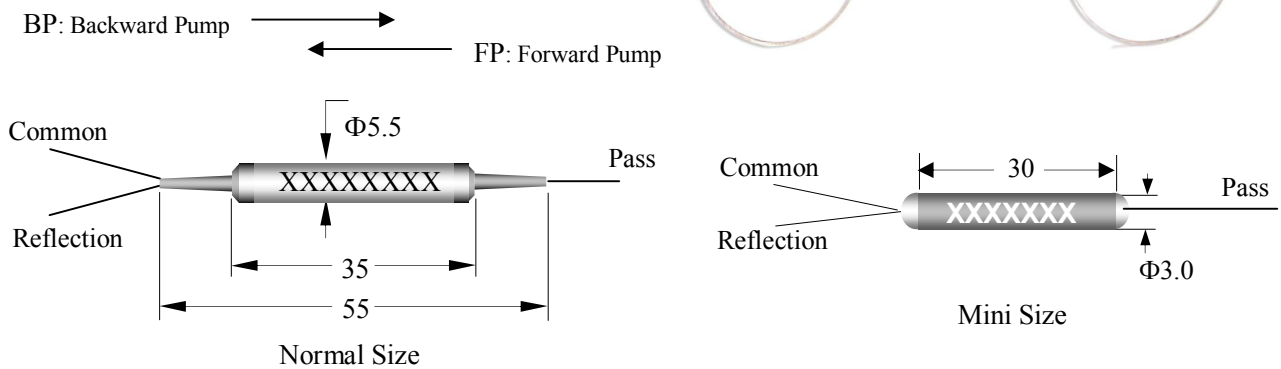
Key Features

- Low insertion loss
- High extinction ratio
- High isolation
- Excellent stability and reliability

Applications

- Fiber lasers
- Fiber amplifiers

Mechanical Dimension



Specifications

Parameter	Type	Unit	Polarization Maintaining Isolator WDM			
			Single Stage	Dual stage	Single Stage	Dual stage
Operating wavelength		nm	T1064±5/R980±15		T1530~1580/R980±15	
IL over pass band @23°C		dB	≤2.3	≤3.5	≤0.8	≤1.0
IL over reflection band		dB	≤0.6			
Extinction ratio (Only for Signal Port)		dB	≥20(Type B)		≥23(Type F)	
Isolation for signal @23°C		dB	≥30	≥45	≥30	≥46
Return loss		dB	≥50			
Fiber type		/	PM fiber for Common & Pass port; PM fiber or SM fiber for Reflection port			
Handling power		mW	≤300		≤500	
Operating temperature		°C	-5~+50		-5~+70	
Storage temperature		°C	-40~+85			
Dimensions		mm	Φ5.5× L35 or Φ3.0× L30			

*Type B: Both axis working, Type F: Fast axis blocked.

*IL is 0.3dB (1310~1550nm) or 0.5dB (1064nm) higher, RL is 5dB lower and ER is 2dB lower for each connector added. The default connector key is aligned to slow axis.

Ordering Information

PMIWDM-XXX-XXXX-X-XX-X-X-X-XX/XXX-XX*XX

