

## Polarization Maintaining Isolator+ WDM Hybrid Device

<b>Features:</b>
High ER and High Isolation Low Insertion Loss High Stability and Reliability
<b>Application:</b>
Fiber Amplifier Fiber optic Instrument

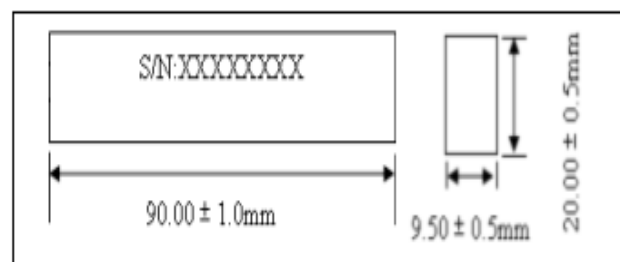
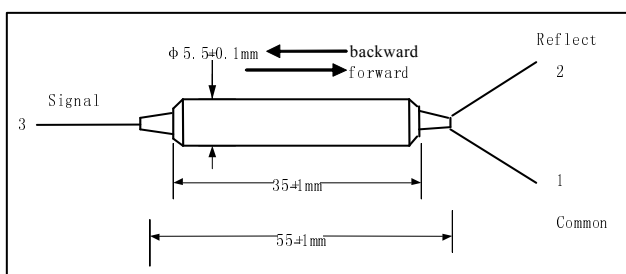
**Specifications:**

Parameter	Type		1550/1480		1550/980		1064/980	
	Single Stage	Dual Stage	Single Stage	Dual Stage	Single Stage	Dual Stage	Single Stage	Dual Stage
Isolator Stage								
Signal wavelength range (nm)	1530~1565		1528~1565		1064±5			
Peak isolation (dB)	40	55	40	55	40	55		
Isolation at 23 °C (Signal) (dB)	≥30	≥48	≥30	≥48	≥30	≥48		
Insertion loss at 23 °C (Signal) (dB)	≤0.9	≤1.0	≤1.1	≤1.2	≤2.2	≤3.6		
Pump wavelength range (nm)	1460~1490		960~990		960~990			
Insertion loss (reflection band) (dB)	≤0.5		≤0.6		≤0.6			
Extinction Ratio (dB)	Type F (Fast axis blocked)		≥22					
	TypeB (Both axis working)		≥20					
Directivity (dB)			≥55					
Return loss (dB)			≥50					
Power handling (mW)			≤300					
Operating temperature (°C)			-5 ~ +70		-5 ~ +50			
Storage temperature (°C)			-40 ~ +85					
Fiber Type:( Common / Pass)	PM1550		PM1550		PM980			
Fiber Type (Reflection)	PM 1550 or SMF-28		PM980 or HI1060		PM980 or HI1060			
Package dimension (mm)			φ5.5 × L35(P1) (only for bare fiber or 900um loose tube)					
			L90*W20*H9.5 (ABS) (P2) (only for 3mm or 2mm cable)					

\*Above specifications are for devices without the connectors.

\*For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower, and ER will be 2dB lower.

\*The PM fiber and the connector key are aligned to the slow axis. And for F type, fast axis is blocked.

**Package Dimensions:**


**Ordering Information:**

PMIWDM	Wavelength	Isolator Stage	Pump Type	Working Axis	Fiber Type on Reflection port	Pigtail Type	Length	Connector
	59=T1550nm /R980nm 54=T1550nm /R1480nm 69=T1064nm /R980nm	S=Single stage D=Dual Stage	F=Forward pump B=Backward pump	F=Fast Axis Blocked B=Both Axis Working	1=SMF-28e 2=HI1060 3=PM Fiber	1=250um bare fiber 2=900um loose tube 3=3mm loose tube 4=2mm loose tube S=Specify	H=0.5m 8=0.8m 1=1.0m 5=1.5m 2=2.0m 3=3.0m 4=4.0m A=2.5m B=5.0m S=Specify	0=None 1=FC/UPC 2=FC/APC 3=SC/APC 4=SC/UPC 5=MU 6=LC/UPC 7=LC/APC S=Specify