

## 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:**

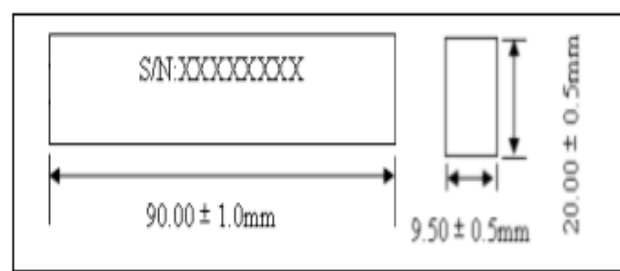
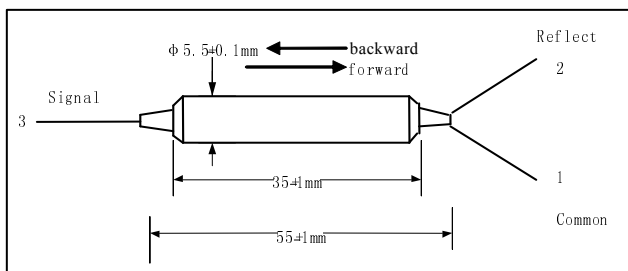
Parameter \ Type	1550/1480		1550/980		1064/980	
	Single Stage	Dual Stage	Single Stage	Dual Stage	Single Stage	Dual Stage
Isolator Stage	Single Stage	Dual Stage	Single Stage	Dual Stage	Single Stage	Dual Stage
Signal wavelength range (nm)	1530~1565		1528~1565		1064±5	
Peak isolation (dB)	40	55	40	55	40	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:**



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### 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