

## PM Fiber Isolator + WDM Hybrid Device 1550/1480 1550/980 nm

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

### Specifications

Parameter	Type	1550/1480		1550/980	
		Single Stage	Dual Stage	Single Stage	Dual Stage
Isolator Stage		Single Stage	Dual Stage	Single Stage	Dual Stage
Peak isolation (dB)		40	55	40	55
Isolation at 23 °C (Signal) (dB)		≥30	≥48	≥30	≥48
Insertion loss at 23 °C (Signal) (dB)		≤0.9	≤1.0	≤1.1	≤1.2
Signal wavelength range (nm)		1530~1565		1528~1565	
Pump wavelength range (nm)		1460~1490		960~990	
Insertion loss (reflection band) (dB)		≤0.5		≤0.6	
Extinction Ratio (dB)	Type F(Fast axis blocked)	≥22			
	Type B(Both axis working)	≥20			
Directivity (dB)		≥55			
Return Loss (dB)		≥50			
Thermal stability (dB/ °C)		≤0.005			
Power handling (mW)		≤300			
Operating temperature (°C)		-5 ~ +70			
Storage temperature (°C)		-40 ~ +85			
Package dimension (mm)		Φ5.5 × L35			
Fiber Type:( Common / Pass)		PM1550		PM1550	
Fiber Type (Reflection)		PM 1550 or SMF-28		PM980 or HI1060	

\*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	Stage	Type	Working Axis	Pigtail Type	Fiber Type	Length	Connector
	T1550/R980 T1550/R1480	S= Single stage D = Dual Stage	F=Forward B=Backward	1=Fast Axis Blocked 2=Both Axis Working	250=250um bare fiber 900=900um loose tube	1=SMF-28e 4=HI1060 5=PM Fiber	0.8=0.8 m	NE=None FA=FC/APC FC=FC/UPC SA=SC/APC SC=SC/UPC LC=LC/UPC XX=Other