

PM Fiber Isolator+ WDM Hybrid Device (PMIWDM)

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

Specifications

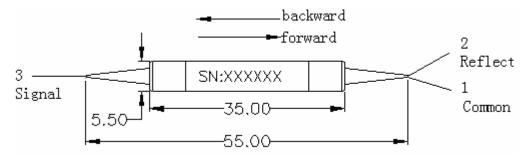
Type Parameter		1550	/1480	1550/980			
Isolator Stage		Single Stage	Dual Stage	Single Stage	Dual Stage		
Peak isolation (dB)		40	55	40	55		
Isolation at 23 °C (Signal) (dB)		≥30	≥48	≥30	≥48		
Insertion loss at 23 $^\circ\!\!\mathbb{C}$ (Signal) (dB)		≤0.9	≤1.0	≤1.1	≤1.2		
Signal wavelength range (nm)		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/ ℃)		≤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)		PM1	1550	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

PMIWD	1 Wavelength	Stage	Туре	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