

## Polarization Maintaining Isolator

<b>Features:</b>
Low Insertion Loss High Extinction Ratio & High Isolation High stability and reliability
<b>Application:</b>
EDFA & Fiber Optical Instrument Fiber Sensor & Fiber Laser

**Specifications:**

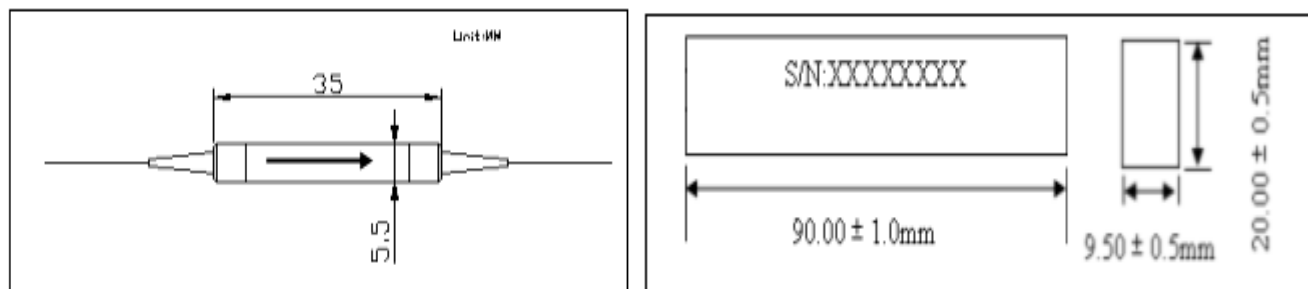
Type Parameter		Single Grade		Dual Grade	
		P	A	P	A
Operating wavelength (nm)		1310,1450,1480, 1550			
Bandwidth (nm)		±20			
Peak isolation (dB)		42	40	58	55
Isolation (at 23 °C) (dB)		≥28	≥26	≥48	≥45
Typ. Insertion Loss (at 23 °C)		0.4	0.5	0.5	0.6
Insertion Loss (at-5 ~ +70 °C)		≤0.55	≤0.65	≤0.65	≤0.80
Extinction Ratio (dB)	Type B (Both of axis working)	≥20	≥18	≥20	≥18
	Type F (Fast axis blocked)	≥22	≥20	≥22	≥20
Return loss (Input/Output) (dB)		≥55			
Power handling (mW)		≤500			
Fiber Type		1310nm :PM 1310 Panda Fiber;1550nm:PM1550 Panda Fiber;			
Operating temperature (°C)		-5~+70			
Storage temperature (°C)		-40 ~ +80			
Dimensions (mm)		φ5.5×L35 , L90×W20×H9.5			

\*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, for type B ; both axis is working

**Package Dimensions:**



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**Ordering Information:**

PMIS	Wavelength	Type	Grade	Axis Alignment	Package	Pigtail Type	Length	Connector
	1310=1310nm 1450=1450nm 1480=1480nm 1550=1550nm	S=Single stage D=Dual Stage	P=P Grade A=A Grade	F=Fast Axis Blocked B=Both Axis Working	0=φ5.5×L35 mm 1=90*20*9.5 mm 2=Glass tube S=Specify	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