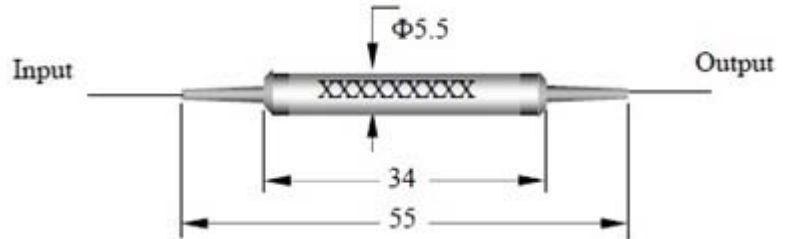




Polarization Maintaining Isolator

The Polarization Maintaining Micro Optics Components are characterized with low IL, high return loss, high extinction ratio and excellent environmental stability and reliability. They are ideal for polarization maintaining fiber amplifiers, fiber lasers, high speed communication system and instrumentation applications.



Features

- ◆ Low Insertion Loss
- ◆ High Extinction Ratio
- ◆ Compact
- ◆ In-Line Package
- ◆ High Stability and Reliability

Applications

- ◆ Fiber laser
- ◆ Fiber amplifier
- ◆ Sensor
- ◆ Communications

Performance Specifications

Parameter	Single Stage		Dual Stage	
	P	A	P	A
Grade	P	A	P	A
Operating wavelength (nm)	1310 ± 15, 1480 ± 15 or 1550 ± 15			
Typ. Insertion Loss(dB)	0.4	0.5	0.5	0.6
Insertion loss (dB)	≤0.5	≤0.65	≤0.65	≤0.8
Typ. Peak isolation (dB)	42	40	58	55
Isolation at (dB)	≥32	≥30	≥50	≥48
Extinction ratio Type B (dB)	≥22	≥20	≥22	≥20
Extinction ratio Type F (dB)	≥23	≥20	≥23	≥20
Return loss (input/output)	≥55/50	≥55/50	≥55/50	≥55/50
Fiber Type	PM 1550 or PM 1310			
Operating temperature (°C)	-5°C ~ + 70°C			
Storage temperature (°C)	-40°C ~ + 85 °C			
Max. Optical Power (mw)	≤500			
Dimensions (mm)	Φ5.5× L34			
"B" for Both axis working, "F" for Fast axis blocking				

*Above specifications are for device without connector.

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

* For device with connector, key aligned to slow axis.

Order information

PMILP-①①-②-③-④④-⑤⑤-⑥⑥

①	②②	③	④	⑤	⑥⑥	⑦⑦	⑧⑧
Type	wavelength	Grade	Axis Alignment	Fiber Type	Fiber Diameter	Fiber Length	Connector
S:Single stage D: Dual stage	13:1310nm 14:1480nm 15:1550nm XX: Others	P:P Grade A:A Grade	B:Both axis working F: Fast axis blocking	0:SMF-28 1: Panda fiber X:Others	25:250um 90:900um XX: Others	08:0.8m 10:1.0m XX: Others	00:None FP: FC/PC FA: FC/APC SP: SC/PC SA: SC/APC LP: LC/PC LA: LC/APC XX: Others