

Polarization Maintaining Optical Isolator

The Polarization Maintaining Isolator is built with an input and an output PM fiber. It is widely used in EDFA, Raman amplifier, fiber lasers, optical fiber sensors and instrumentation. The device provides excellent performance, stability and has met Bellcore-1209 requirements.



Features

- Low Insertion Loss
- High Isolation
- High extinction ratio
- High Stability and Excellent Reliability

Applications

- Fiber lasers
- Fiber amplifier
- Fiber sensors
- Optical instrumentation

Specifications

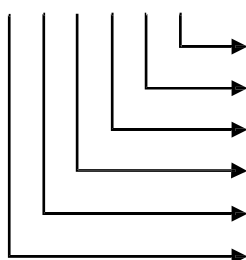
Item	Unit	Specifications	
		Single stage	Dual stage
Wavelength	nm	1310 or 1550	
Bandwidth	nm	±15	
Insertion Loss	dB	≅ 0.60	≅ 0.70
Extinction Ratio	dB	≅ 20(Type B)	≅ 25(Type F)
Return Loss(Input/Output)	dB	≅ 55/50	
Isolation	dB	≅ 30	≅ 45
Fiber Type		PM Panda Fiber	
Max. Optical Power	mW	≅ 300	
Operating Temperature	°C	0 to +70	
Storage Temperature	°C	-40 to +85	

* Type B: Both axis working, Type F: Fast axis blocked.

* IL is 0.3dB higher, RL is 5dB lower and ER is 2dB lower for each connector added. The default connector key is aligned to slow axis.

Ordering Information

PMISO-□-□-□-□-□-□



Connectors Type: FC/PC, FC/APC, SC/PC, SC/APC, LC/PC or others

Fiber Length (Unit:m)

Cable Type: 025:Φ0.25mm, 09:Φ0.9mm

Working axis type: B= Both axis working, F=Fast axis blocked

Wavelength: 131:1310nm, 155:1550nm

Stage: S: Single stage, D: Dual stage