

2000nm Polarization Maintaining Isolator

Product Features

- High Isolation
- Low Insertion Loss
- Large Aperture Features

Product Applications

- Fiber Lasers
- Test Instrumentations
- Fiber Sensors
- Optical Fiber Amplifier

Specifications

Parameter	Unit	Value	
		Single stage	Dual stage
Stage		Single stage	Dual stage
Center Wavelength (λ_c)	nm	2000	
Operating Wavelength Range	nm	± 50	
Min. Isolation at 23°C	dB	18	32
Typ. Insertion Loss at 23°C	dB	0.8	1.0
Max. Insertion Loss at -5°C -70°C	dB	1.1	1.3
Min. Extinction Ratio(only for B type)	dB	18	
Min. Extinction Ratio(only for F type)	dB	20	
Min. Return Loss (Input/Output)	dB	50/50	
Max. Optical Power (CW)	mW	500	
Max. Tensile Load	N	5	
Fiber Type		PM 1550 Fiber , PM 1950 Fiber or Specify	
Operating Temperature	°C	-5 to +70	
Storage Temperature	°C	-40 to +85	

* 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.

* The PM fiber and the connector key are aligned to the slow axis

Ordering Information

PMI	Wave length	stage	Pigtail Type	Fiber Length	Axis Alignment	Fiber Type on Port 1 and 2	Connector
1x1	2000nm Specify	Single stage Dual stage	250um bare fiber 900um loose tube Specify	0.5m 1m 1.5m 2m Specify	Fast Axis blocked Both Axis working	PM 1550 Fiber PM 1950 Fiber	N=None FC/APC FC/UPC SC/APC SC/UPC LC/UPC Specify