

1030nm 50mW PM Isolator (Faraday Based)

Features

- Low Insertion Loss
- High Return Loss
- High Extinction Ratio
- High Isolation
- High Stability & Reliability

Applications

- Fiber Laser
- Test Instruments
- Fiber Sensor
- Research

Specifications

Parameter	Unit	Value	
		Single	Dual
Stage	-	Single	Dual
Center Wavelength	nm	1030	
Operating Wavelength Range	nm	±5	
Typ. Peak Isolation at 23°C	dB	23	38
Min. Isolation at 23°C	dB	20	35
Typ. Insertion Loss at 23°C	dB	2.8	6.0
Max. Insertion Loss at 23°C	dB	3.3	6.6
Min. Return Loss at 23°C (input/output)	dB	50/50	
Min. Extinction Ratio at 23°C	Both axis working	dB	
	Fast axis blocked	dB	
Max. Optical Power (CW)	mW	50	
Max. Tensile Load	N	5	
Fiber Type	-	PM980	
Operating Temperature	°C	-5~+50	
Storage Temperature	°C	-40~+85	

*With connectors, IL is 0.3dB higher, RL is 5dB lower, and ER is 2dB lower.

*Connector key is aligned to slow axis.

Package Dimensions



Ordering Information

PMIS-①①①①-②③-④④④-⑤⑥-⑦-⑧⑧

①①①①	- Wavelength:	1030=1030nm, SSSS=Specified
②	- Stage:	S=Single-core stage, D=Dual-core stage
③	- Working Axis:	B=Both axis working, F=Fast axis blocked
④④④	- Fiber Type:	003=PM980, SSS=Specified
⑤	- Package Dimensions:	0=φ5.5x35mm
⑥	- Pigtail Type:	0=bare fiber, 1=900μm loose tube, S=Specified
⑦	- Fiber Length:	0.8=0.8m, 1.0=1m, S=Specified
⑧⑧	- Connector Type:	0=FC/UPC, 1=FC/APC, 2=SC/UPC, 3=SC/APC, N=None, S=Specified