



830nm Polarization Maintaining Optical Isolator



Features

- High Isolation
- Low Insertion Loss
- High Extinction Ratio
- High Stability and High Reliability
- Cost Effective

Applications

- Fiberoptic Amplifiers
- Pump Laser Source
- Fiber Optic Sensor
- Test and Measurement
- Instrumentation

Performance Specifications

Parameter	Specification
Operating Wavelength(nm)	820 ~ 840
Typical Peak Isolation(dB)	25
Minimum Isolation (dB)	20
Typical Insertion Loss(dB)	0.8
Maximum Insertion Loss(dB)	1.2
Return Loss (dB)	50
Extinction Ratio (dB)	Min.20 (Typ. 25)
PMD (Max.) (ps)	0.2
Wavelength Dependent Loss(dB)	0.2
Operating Temperature (°C)	0 ~ +60
Storage Temperature (°C)	-40 ~ +85
Fiber Type	See Order Information
Power Handling(mW)	600
Dimensions (mm)	L52xW28xH27

1. The PM fiber and the connector key are aligned to the slow axis.
2. The ER is for fiber ≤ 0.75 meter. Increase fiber length can decrease the ER.
3. For devices with connectors, insertion loss will be 0.3dB higher, return loss will be 5dB lower, and extinction loss will be 2dB lower.

Ordering Information

PMIS	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
Isolator Type	Wavelength	Grade	Pigtail Style	Fiber Length	Fiber Type	In/Out Connector
	83=830nm	P=P Grade	1=Bare Fiber 2=900um Jacket	1=0.25m 2=0.5m 3=1.0m S=Custom Length	1=PM 850 S=Special	0=None 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=ST 6=LC X=Special

Dimensions (mm)

