



830nm Polarization Insensitive Optical Isolator



Features

- High Isolation
- Low Insertion Loss
- Low PDL
- 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)	830 ± 30
Typical Peak Isolation (dB)	25
Minimum Isolation* (dB)	≥20 (@±20nm); ≥18 (@±30nm)
Typical Insertion Loss** (dB)	0.8
Maximum Insertion Loss** (dB)	≤1.2 (@±10nm); ≤1.3(@±20nm); ≤1.5 (@±30nm)
Return Loss (dB)	50
PDL(dB)	Max. 0.2 (Typ. 0.1)
Maximum PMD(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

* At 23°C Cover bandwidth

** Does not include connector, splice and fiber-end fresnel losses



Ordering Information

IS	<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=HI 780	0=None 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=ST 6=LC X=Special

Dimensions (mm)

