

Flyin 850,980,1060nm Polarization Insensitive Optical Isolator

Flyin Optronics' Optical Isolator utilizes Faraday effect of Magneto optical crystal. It guides optical light in one direction and eliminates back reflection and back scattering in the reverse direction at any polarization state. The unique manufacturing process and optical path epoxy-free design enhance the device's high power handling capability. The devices are characterized with high performance, high reliability and low cost. It has been widely used in EDFAs, Raman amplifiers, DWDM systems, Fiber lasers, transmitters and other fiber optic communication equipments to suppress back reflection and back scattering.

Features

- High Isolation
- Low Insertion Loss
- Low PDL
- High Stability and High Reliability
- Cost Effective

Applications

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



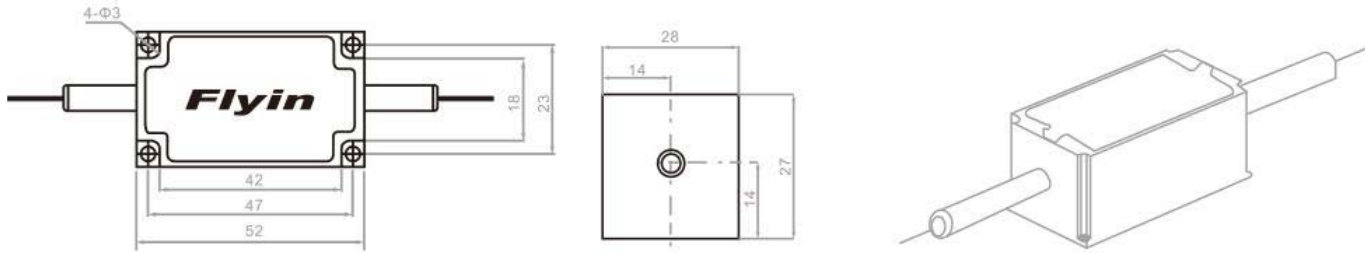
Performance Specifications

Parameter	Specification
Operating Wavelength (nm)	850±20,980±20,1060±20
Typical Isolation (dB)	25
Minimum Isolation (dB)	23
Typical Insertion (dB)	1.0
Maximum Insertion Loss (dB)	1.2
Return Loss (dB)	50
PDL (dB)	0.2
Operating Temperature (°C)	0 ~ +50
Storage Temperature (°C)	-40 ~ +85
Fiber type	HI 780 Fiber or customer
Package Dimension (mm)	L52 x W28 x H27
Power Handling (mW)	300

Specifications may change without notice.

Above specification are for device without connector.

Dimension



Ordering Information

IS	XX	X	X	X	XX
	Wavelength	Pigtail Style	Fiber Length	Fiber Type	In/Out Connector
	85=850nm 98=980nm 10=1060nm	1=Bare Fiber 2=900um jacket	1=0.25m 2=0.5m 3=1.0m S=Customer Length	1=HI 780 2=HI 980 3=HI 1060	0=none 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=ST 6=LC S=Special