

## Features

- Wide Operating Wavelength & Temperature Range
- Low Insertion Loss & High Isolation
- Ultra Low PDL & PMD
- Epoxy-Free in Optical Path
- Exceptional reliability and stability
- Mini Size



## Applications

- EDFA
- WDM & DWDM System
- Fiber-optics Instruments
- Transmitters & Fiber Laser

## Product Description

Primanex mini polarization independent isolator has minimum back reflection and back scattering in the reverse direction for any state of polarization. It provides a low cost solution with excellent performances including low insertion loss, high isolation and return loss, low polarization dependent loss (PDL) and low polarization mode dispersion (PMD). This product's excellent characteristics make it highly suitable for field and laboratory applications.

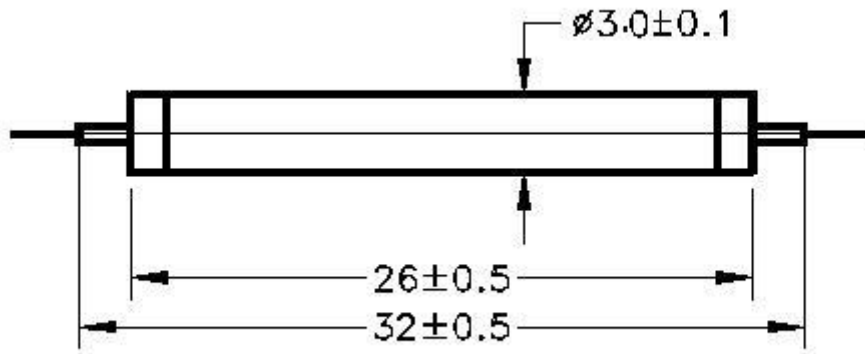
## Specifications

Item	Unit	Parameters		Notes
		Single Stage	Dual Stage	
Working Center Wavelength	nm	1310/1550		Other wavelength optional
Operating Band Width	nm	±15	±20	Wider operating band width available upon request
Isolation (@23 °C)	dB	≥ 28	≥ 46	
Isolation (@-5~70 °C)	dB	≥ 20	≥ 40	
Insertion Loss (@-5~70 °C)	dB	0.50 (Typ.) 0.70 (Max.)	0.60 (Typ.) 0.80 (Max.)	
PDL	dB	≤ 0.15	≤ 0.20	
PMD(Standard)	ps	≤ 0.25	≤ 0.05	
PMD(PMD Free)	ps	≤ 0.05	--	
Return Loss (Input/Output)	dB	≥ 55/55		
Maximum Optical Power	mW	500		
Operating Temperature	°C	-5 ~ 70		Wider operating temperature range available upon request
Storage Temperature	°C	-40 ~ 85		
Dimension	mm	Φ3.0×26		
Fiber Type	N/A	SMF-28e+		

\*. All the specifications are based on the devices without connectors, and guaranteed over wavelength, polarization and temperature.

\*\*\*. Specifications are subject to change without notice.

## Dimensions Drawing (Unit: mm)



## Ordering Information (Example: MPIIS1-111110)

Wavelength	Isolator Type	PMD	Fiber Type	Fiber Length	Connector Type
1. 1550nm	1. Single Stage	1. Standard	1. 250 $\mu$ m Fiber	1. 0.5 +/-0.1 m	0. No Connector
2. 1310nm	2. Dual Stage	2. PMD Free	2. 900 $\mu$ m Fiber	2. 1.0 +/-0.1 m	1. FC/UPC
3. Others			3. Others	3. Others	2. FC/APC
					3. SC/UPC
					4. SC/APC
					5. LC/PC
					6. MU/PC
					7. Others

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