

Features

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



Applications

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

Product Description

Primanex single stage optical 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.

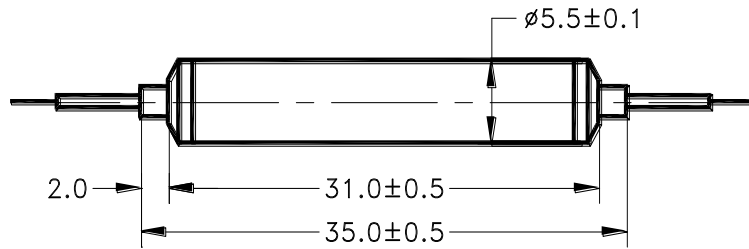
Specifications

Item	Unit	Parameters	Note
Working Center Wavelength	nm	1310/1550	Other wavelength optional
Operating Band Width	nm	+/- 15	Wider operating band width available upon request
Isolation (@23 °C)	dB	≥ 28	
Isolation (@-5~70 °C)	dB	≥ 20	
Insertion Loss (@-5~70 °C)	dB	0.40 (Typ.) 0.60 (Max.)	
PDL	dB	≤ 0.10	
PMD (Standard)	ps	≤ 0.25	
PMD (PMD Free)	ps	≤ 0.05	
Return Loss (Input/Output)	dB	≥ 60/55	
Maximum Optical Power	mW	500	
Operating Temperature	°C	-5 ~ 70	Wider operating temperature range available upon request
Storage Temperature	°C	-40 ~ 85	
Dimension	mm	Φ5.5×31	
Fiber Type	N/A	SMF-28e+	MM fiber optional

*. 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: PIIS1-111120)

PIIS 1	-	<input type="checkbox"/>	1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			
		Wavelength		PMD		Fiber Type		Fiber Length		Connector Type	
		1. 1550nm		1. Standard		1. 250um fiber		1. 0.5 +/- 0.1 m		0. No Connector	
		2. 1480nm		2. PMD Free		2. 900um fiber		2. 1.0 +/- 0.1 m		1. FC/UPC	
		3. 1310nm				3. Others		3. Others		2. FC/APC	
		4. Others								3. SC/UPC	
										4. SC/APC	
										5. LC/PC	
										6. MU/PC	
										7. Others	

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