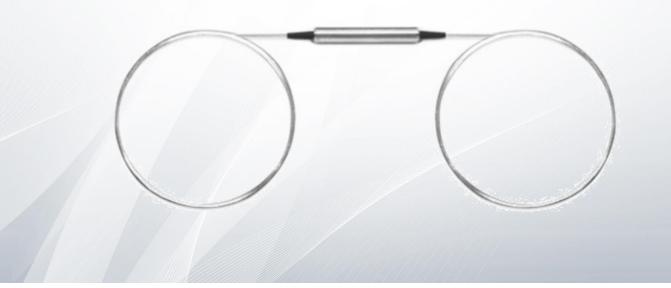


# Jacket Tube Standard Size Optical Isolator

**Data Center & Cloud Computing Infrastruture Solutions** 



#### Overview

The optical isolator is an optical component which can guide optical light in one direction and eliminates back reflection and back scattering in the reverse direction at any polarization sate. This product is characterized with low insertion loss, high isolation, high return loss, excellent environmental stability and reliability.

It has been widely used in EDFA, DWDM systems, and other fiber optic communication equipments to suppress back reflection and back scattering.

#### **Features**

- Wide operating wavelength
- High isolation & Low insertion loss & Low PDL
- · High stability and reliability

### **Applications**

- EDFA & Testing instruments
- WDM & DWDM system
- Fiber-optic components

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## **Technical Specification**

Parameters	Single Stage	Dual Stage
Operating Wavelength (nm)	1310, 1550	
Bandwidth (nm)	±15	
Typ. Insertion Loss (dB)	0.35	0.4
Insertion Loss (dB)	≤ 0.5	≤ 0.55
Peak Isolation (dB)	42	58
Isolation @23°C (dB)	≥ 28	≥ 46
PDL (dB)	≤ 0.05	≤ 0.1
PMD (ps)	≤ 0.2	≤ 0.05
Return Loss (dB)	≥ 60/55	
Power Handling (mW)	≤ 500	
Cable Diameter	900um; 2mm; 3mm	
Fiber Length	1m; 0.5m	
Fiber Type	SMF-28e	
Connector	None; LC/UPC; LC/APC; SC/UPC; SC/APC; FC/UPC; FC/APC	
Operating Temperature (°C)	-5~ +70	
Storage Temperature (°C)	-40 ~ +80	

#### Note:

- 1. Above specifications are for devices without the connectors;
- 2. If the device is with connectors, an additional 0.3dB to the insertion loss will be added, and the return loss will be reduced by 5dB.

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## Dimension



## **Ordering Information**

ID	Description	
#2940 <u>6</u>	Customized 1M 1310nm or 1550nm Jacket Tube Standard Size Optical Isolator	

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