

## Single Stage Isolator

### 1. Description:

Single stage isolator is a kind of the optical passive device, its basic function is to realize the positive transfer optical signal, and inhibit reverse light.

### 2. Features:

- ◆ Low insertion loss
- ◆ high isolation
- ◆ High Return Loss
- ◆ Low PDL

### 3. Applications:

- ◆ EDFA
- ◆ Optical fiber testing system
- ◆ CATV System
- ◆ Telecom System
- ◆ Wireless Network

### 4. Specifications:

Parameter	Grade P	Grade A
Operating Wavelength (nm)	1310 or 1550	
Isolation @ Passband (dB)	≥40	≥38
Isolation (dB)	≥32	≥30
Insertion Loss @ Passband (dB)	0.35	0.5
Insertion Loss (dB)	≤0.6	≤0.7
Return Loss (dB)	≥65/60	≥60/55
PDL (dB)	< 0.05	< 0.1
PMD (ps)	0.2(0.05 available upon request)	
Operating Wavelength Range (nm)	±15	
Operating Temperature (°C)	-20 ~ + 70	
Storage Temperature (°C)	-40 ~ +85	
Fiber Type	Corning SMF-28	
Fiber Length (m)	1 Meter Each End	
Package Dimensions (mm)	5.5×30	
Handling Power(mW)	300	

Notes: within the whole bandwidth of 23°C;  
without the loss of connector, fusion splicer and endface;  
include all temperature of the overall PDL bandwidth.

## 5. Order Information:

ISO Type	Operating Wavelength	Grade	Fiber Type	Fiber Length	Connector
SIS=Single	13=1310nm 14=1480nm 15=1550nm LB=L Band	S= Special P=Grade P A= Grade A	1=250um 2=900um 3=3mm	1=1.0m 2=1.5m 3=2.0m 4= Special	0=None 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=ST 6=LC