

1310nm/1550nm/2000nm Isolator (ISO)

▶▶ Description

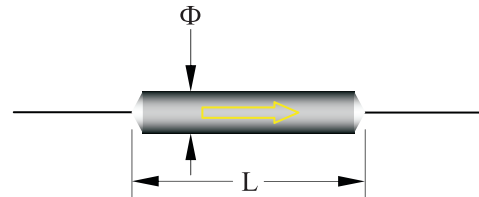
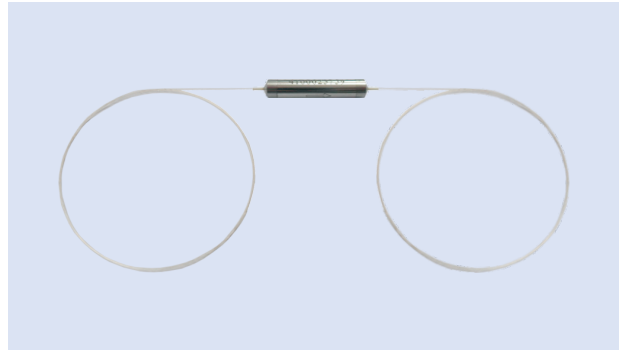
Isolators are directional optical component used in fiber optical module, EDFA, and communication systems.

▶▶ Features

- High isolation
- Low insertion loss
- High return loss

▶▶ Applications

- EDFA
- Communication systems
- Testing instruments



▶▶ Specifications:

Parameter	Type	Normal size				Mini size			
		Single stage		Dual stage		Single stage	Dual stage		
Grade		P	A	P	A	A	A		
Operating wavelength (nm)		1310±15 or 1550±15				2000±20	1310±15 or 1550±15		
Minimum isolation@ 23°C (dB)		≥30	≥30	≥50	≥48	≥16	≥30	≥45	
Insertion loss typ. @ 23°C (dB)		≤0.30	≤0.40	≤0.40	≤0.60	≤1.5	≤0.40	≤0.60	
Insertion loss max. @(-5~70°C) (dB)		≤0.50	≤0.60	≤0.60	≤0.80	≤2.0	≤0.60	≤0.80	
PDL (dB)		≤0.05	≤0.1	≤0.1	≤0.15	≤0.15	≤0.1	≤0.1	
PMD (ps)		≤0.25		≤0.05		≤0.25	≤0.25	≤0.05	
Return loss(in/out) (dB)		≥60/55				≥50/50	≥55/55		
Power handling (mW)								≤500	
Operating temperature (°C)								-5 ~ +70	
Storage temperature (°C)								-40 ~ +85	
Dimensions (mm)		Φ 5.5× L30				Φ 5.5× L35	Φ 3.0× L25		

*The above specification is without connector, with connectors:0.3dB higher for IL,5dB lower for RL

*Other specifications can be made on customer request

▶▶ Product Ordering Information:

ISO-X-X-XXXX-X-X-XX/XXX-XX*XX

- Package size: 3.0×25, 5.5×30
- Input/output connector: FC/UPC, FC/APC etc.
- Fiber type: 0=SMF-28e, 1= HI1060, 4=others
- Pigtail type: 0=250µm, 1=900µm
- Operating wavelength: 1310=1310nm, 1550=1550nm etc.
- Grade: P= Premium, A= Grade A
- Type: S= Single stage, D= Dual stage