



# Polarization-Insensitive Single Stage Optical Isolator



## Features

- High Isolation
- Low Insertion Loss
- High Return Loss
- Low Polarization Sensitivity
- Optical Path Epoxy Free

## Applications

- Fiberoptic Amplifiers
- CATV Fiberoptic Links
- Fiberoptic Systems Testing
- Fiberoptic LAN Systems
- Telecommunications

## Performance Specifications

Grade	Premium	A Grade
Operating Wavelength(nm)	1310 or 1550	
Typical Peak Isolation(dB)	42	40
Minimum Isolation *(dB)	32	30
Typical Insertion Loss**(dB)	0.3	0.4
Maximum Insertion Loss***(dB)	0.5	0.7
Return Loss (In/Out)(dB)	≥65/60	≥60/55
PDL(dB)	≤0.05	≤0.1
PMD(ps)	0.2(0.05 available upon request)	
Bandwidth(nm)	±15	
Operating Temperature (°C )	-20 ~ + 70	
Storage Temperature (°C )	-40 ~ + 85	
Fiber Type	Corning SMF-28	
Fiber Length (Min.)	1 meter each end	
Dimensions (mm)	φ5.5xL-30	
Power Handling(mW)	300	

\* At 23°C over bandwidth

\*\* Does not include connector , splice and fiber-end

\*\*\* Including PDL, operating wavelength range , -20°C to +70°C

## Ordering Information

Isolator Type	Wavelength	Grade	Pigtail Style	Fiber Length	Package	In/Out Connector
IS=Single Stage IU=Dual Stage	13=1310nm 14=1480nm 15=1550nm LB=L Band	S=Super P=Premium A=A Grade	1=Bare Fiber 2=900um Jacket	1=1.0m 2=1.5m 3=2.0m 4=Custom Length	B=Package B	0=None 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=ST 6=LC