



# Polarization-Insensitive Single Stage L-Band 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)	1585	
Peak Isolation(Typ.)(dB)	42	40
Isolation(Min.)*(dB)	30	28
Insertion Loss(Typ.)**(dB)	0.4	0.5
Insertion Loss(Max.)***(dB)	0.6	0.8
Return Loss (In/Out)(dB)	≥65/60	≥60/55
PDL(dB)	≤0.05	≤0.1
PMD(ps)	0.2(0.05 available upon request)	
Operating Temperature (°C)	-20 ~ +70	
Storage Temperature (°C )	-40 ~ +85	
Fiber Type	Corning SMF-28	
Fiber Length (Min.)	1 meter each end	
Fiber Pigtail Type	250um bare fiber or 900um tight buffer	
Dimensions (mm)	Φ5.5xL30	
Power Handling(mW)	300	

\* At 23°C over bandwidth

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

\*\*\* Including PDL, center wavelength + 15nm, -20°C to +70°C

## Ordering Information

Isolator Type	Wavelength	Grade	Pigtail Style	Fiber Length	Package	In/Out Connector
IS=Single Stage	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