



# 1480nm Polarization-Insensitive Dual 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)	1480	
Typical Peak Isolation (dB)	55	52
Minimum Isolation *(dB)	45	44
Typical Insertion Loss**(dB)	0.6	0.6
Maximum Insertion Loss*** (dB)	0.7	0.9
Return Loss (In/Out)(dB)	≥65/60	≥60/55
PDL (dB)	≤0.05	≤0.1 dB
PMD (ps)	0.1 (0.05 available upon request)	
Bandwidth (nm)	±30	
Operating Temperature(°C)	-20 ~ +70	
Storage Temperature (°C)	-40 ~ +85	
Fiber Type	Corning SMF-28	
Fiber Length (Min.)	1 meter each end	
Dimensions (mm)	Φ5.5xL30	
Power Handling (mW)	300	

\* At 23°C over bandwidth

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

\*\*\* Including PDL, operating wavelength range ±15nm, -20°C to +70°C

## Ordering Information

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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