



# Polarization-Insensitive Single Stage 2x2 Dual 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

Parameter	Premium	A Grade
Operating Wavelength (nm)	1310, 1550, 1480 or 1585	
Typical Peak Isolation (dB)	41	40
Minimum Isolation *(dB)	31	30
Typical Insertion Loss**(dB)	0.5	0.6
Maximum Insertion Loss***(dB)	0.7	0.8
Return Loss (In/Out) (dB)	≥60/55	≥60/55
Cross Talk (dB)	≥60	≥55
PDL (dB)	≤0.1	≤0.15
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)	φ5.5xL32	
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
DIS=Single 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