



Polarization Maintaining Optical Isolator



Features

- High Isolation
- Low Insertion Loss
- High Return Loss
- High Extinction Ratio
- Optical Path Epoxy Free

Applications

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

Performance Specifications

Parameter	Single Stage	Dual Stage
Operating Wavelength(nm)	1310, 1480 or 1550	
Typical Peak Isolation*(dB)	42	58
Minimum Isolation *(dB)	32	46
Typical Insertion Loss**(dB)	0.4	0.5
Maximum Insertion Loss***(dB)	0.55	0.65
Min. Return Loss (In/Out)(dB)	55/50	55/50
Min. Extinction Ratio**** (dB)	20	20
Typical Extinction Ratio (dB)	22	
Bandwidth (nm)	±15	
Operating Temperature (°C)	-5 ~ +70	
Storage Temperature (°C)	-40 ~ +80	
Fiber Type	Panda PM Fiber or Specify	
Fiber Length (Min.)	0.75	
Dimensions (mm)	φ6.5xL34 (50mm including rubber boots)	
Power Handling (mW)	300	

* 23°C over +/-20nm bandwidth

** Does not include connector, splice and fiber-end fresnel losses

*** Including PDL, center wavelength ±15nm, -5°C to +70°C.

**** ER will be 2 dB less with connectors

Ordering Information

Isolator Type	Wavelength	Grade	Pigtail Style	Fiber Length	Package	In/Out Connector
PMIS=Single PMIU=Dual	13=1310nm 14=1480nm 15=1550nm LB=L Band	P=Premium	1=Bare Fiber 2=900um Jacket	1=0.75m 2=1m 3=1.5m S=Custom Length	B=Package B	0=None 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=ST 6=LC