

Polarization Maintaining Optical Isolator



Key Features

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

Applications

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

Performance Specifications

Parameter	Specifications	
	Single Stage	Dual Stage
Operating Wavelength	1310nm, 1550nm, or 1585nm	
Peak Isolation (Typ.)	42dB	58dB
Isolation* (Min.)	32dB	46dB
Insertion Loss** (Typ.)	0.40dB	0.50dB
Insertion Loss*** (Max.)	0.55dB	0.65dB
Return Loss (In/Out) (Min.)	55/50dB	55/50dB
Extinction Ratio**** (Min.)	20dB	
Bandwidth	± 15nm	
Optical Power	500mW	
Operating Temperature	-5 to +70°C	
Storage Temperature	-40 to +85°C	
Fiber Type	Panda PM Fiber or Specify	
Fiber Length (Min.)	0.75m each end	
Package Dimensions	Ø 5.5mm x L34mm (50mm Including rubber boots)	

Note:

* At 23° C over bandwidth

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

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

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

Ordering Information

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Isolator Type	Operating Wavelength	Grade	Pigtail Style	Fiber Length	Package	In/Out Connector	Working axis
PMIS = Single stage PMIU = Dual stage	13 = 1310nm 14 = 1480nm 15 = 1550nm LB = L Band	P = P Grade	1 = Bare Fiber 2 = 900um Jacket	1 = 0.75m 2 = 1.0m 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/UPC 7 = LC/APC	S = Slow axis working B = Both axes working F = Fast axis working