

Polarization-Insensitive Single Stage Optical Isolator



Key Features

- High Isolation
- Low Insertion Loss
- High Return Loss
- Low Polarization Sensitivity
- Epoxy Free Optical Path

Applications

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

Performance Specifications

Parameter	Specifications	
	P Grade	A Grade
Operating Wavelength	1310nm or 1550nm	
Peak Isolation (Typ.)	42dB	40dB
Isolation* (Min.)	32dB	30dB
Insertion Loss** (Typ.)	0.3dB	0.4dB
Insertion Loss*** (Max.)	0.5dB	0.7dB
Return Loss (In/Out)	≥ 65/60dB	≥ 60/55dB
PDL	≤ 0.05dB	≤ 0.1dB
PMD	0.2ps(0.05ps available upon request)	
Bandwidth	± 15nm	
Optical Power	500mW	
Operating Temperature	-20 to +70°C	
Storage Temperature	-40 to +85°C	
Fiber Type	Corning SMF-28	
Fiber Length (Min.)	1 meter each end	
Package Dimensions	Ø 5.5mm x L30mm	

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.

Ordering Information

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Isolator Type	Operating 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	P = P Grade A = A Grade S = Super	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/UPC 7 = LC/APC