1060nm Narrow band Polarization-Insensitive Optical Isolator



PERFORMANCE SPECIFICATIONS

Parameter	Specifications			
Operating Wavelength	1060nm			
Stage	Single		Dual	
Grade	P	A	P	A
Typical Peak Isolation	40dB	50dB	55dB	50dB
Minimum Isolation	≥ 30[1)]dB	≥ 41[1)]dB	≥ 45[1)]dB	≥ 44[1)]dB
Typical Insertion Loss	1.5[2)]dB	0.6[2)]dB	2.4[2)]dB	2.8[2)]dB
Insertion Loss	≤ 2.0[3)]dB	≤ 0.7[3)]dB	≤ 3.4[3)]dB	≤ 4.2[3)]dB
Return Loss (In/Out)	≥ 50dB	≥ 50dB	≥ 50dB	≥ 50dB
Polarization Dependent Loss	≤ 0.15dB	≤ 0.15dB	≤ 0.15dB	≤ 0.15dB
Polarization Mode Dispersion	≤ 0.2ps	≤ 0.25ps	≤ 0.05ps	≤ 0.25ps
Bandwidth	± 10nm			
Optical Power	≤ 300mW			
Operating Temperature	-20 to +70°C			
Storage Temperature	- 40 to +85°C			
Package Dimensions	A= Standard, Φ5.5xL34mm (250um bare fiber), Φ5.5xL38mm (900um jacket fiber)			

Note: 1) Overall bandwidth at 23°C
2) Not including connector, splice and fiber-end Fresnel losses.
3) Including PDL, operating wavelength range, -20° C to +70° C.
All values referenced are without connector.

FEATURES

- High Isolation
- Low Insertion Loss
- Low PDL
- High Stability and Reliability
- Cost Effective

APPLICATION

- Fiberoptic Amplifiers
- Pump Laser Source
- Fiberoptic Sensor
- Test and Measurement
- Instrumentation

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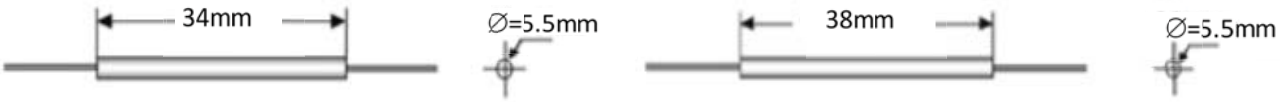
MECHANICAL DIMENSIONS

A package:



PORT CONFIGURATIONS



ORDERING INFORMATION

Type	Grade	Operating Wavelength	Port	Package	Fiber Type[1]	Pigtail Style	Fiber Length[2]	In Connector	Out Connector
IS=Single stage IU=Dual stage	P=P grade A=A grade	1060=1060nm	0101=1x1	A=A package	5=Hi980 6=Hi1060 7=Hi1060 Flex	1=Bare fiber 2=900um loose tube	05=0.5m 07=0.75m 10=1.0m · · · 50=5.0m	0=None 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=ST 6=LC/UPC 7=LC/APC	0=None 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=ST 6=LC/UPC 7=LC/APC

Note:

1. Coded fiber or an equivalent premium tier-1 manufacturer specialty fiber built to identical geometric and optical tolerances.
2. Other length is available upon request, However, 900μm loose tube is only up to 2m.

RELATED PRODUCTS

- 1310~1600nm SM Isolator
- 800~1060nm SM Isolator
- PM Isolator
- Multimode Isolator