



1060nm Narrow band Polarization-Insensitive Optical Isolator

PERFORMANCE SPECIFICATIONS

Parameter	Specifications			
	Single		Dual	
Grade	P	A	P	A
Operating Wavelength	1060nm			
Stage	Single		Dual	
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

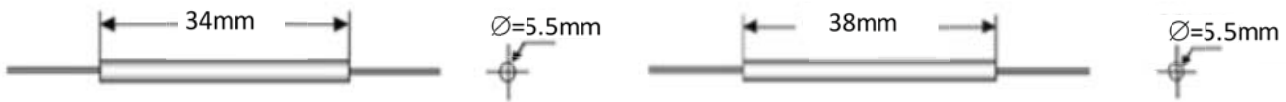
APPLICATION

- Fiber optic Amplifiers
- Pump Laser Source
- Fiber optic 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	Pigtail Style	Fiber Length*	In Connector	Out Connector
IS=Single stage	P=P grade	1060=1060nm	0101=1x1	A=A package	5=Hi980	1=Bare fiber	05=0.5m	0= None	0= None
IU=Dual stage	A=A grade				6=Hi1060	2=900um	07=0.75m	1= FC/APC	1= FC/APC
					7=Hi1060 Flex	loose tube	10=1.0m	2= FC/PC	2= FC/PC
							·	3= SC/APC	3= SC/APC
							·	4= SC/PC	4= SC/PC
							·	5= ST	5= ST
							50=5.0m	6= LC/UPC	6= LC/UPC
								7= LC/APC	7= LC/APC

*Other length is available upon request, However, 900µm loose tube is only up to 2m.