

# Polarization-Insensitive Optical Isolator (830/850/980/1030/1060)



## FEATURES

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

## APPLICATION

- Fiber optic Amplifiers
- Pump Laser Source
- Fiber optic Sensor
- Test and Measurement
- Instrumentation

## PERFORMANCE SPECIFICATIONS

Parameter	Specifications														
Operating Wavelength	830nm			850nm			980nm			1030nm			1060nm		
Typical Peak Isolation	25dB														
Bandwidth	±10nm	±20nm	±30nm	±10nm	±20nm	±30nm	±10nm	±20nm	±30nm	±10nm	±20nm	±30nm	±10nm	±20nm	±30nm
Minimum Isolation* (Min)	22dB	20dB	18dB	22dB	20dB	18dB	20dB	18dB	16dB	22dB	20dB	18dB	22dB	20dB	18dB
Typical Insertion Loss** (Max)	0.80dB			0.80dB			1.30dB			0.80dB			0.80dB		
Insertion Loss*** (Max)	1.20dB	1.30dB	1.50dB	1.20dB	1.30dB	1.50dB	1.80dB	2.00dB	2.20dB	1.20dB	1.30dB	1.50dB	1.20dB	1.30dB	1.50dB
Return Loss (Min)	50dB														
Polarization Dependent Loss (Max)	0.2 (Typ. 0.1)dB														
Polarization Mode Dispersion (Max)	0.20ps														
Fiber Type	Hi780						Hi980/Hi1060								
Optical Power	≤ 600mW														
Operating Temperature	10 to +50°C														
Storage Temperature	0 to +60°C														
Package Dimensions	A= 52x28x27mm														

Note: \*) Overall bandwidth at 23°C

\*\*\*) Not including connector, splice and fiber-end Fresnel losses.

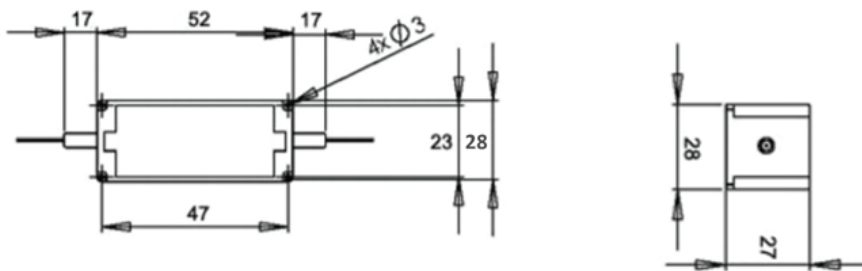
\*\*\*) Including PDL, operating wavelength range, -20° C to +70° C.

All values referenced are without connector.

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### MECHANICAL DIMENSIONS

A Package



### PORT CONFIGURATIONS



### ORDERING INFORMATION

Type	Operating Wavelength	Grade	Package	Fiber Type	Pigtail Style	Fiber Length*	In Connector	Out Connector
IS=Single stage	83=830nm	P=P grade	A=A package	4=Hi780	1=Bare fiber	05=0.5m	0= None	0= None
	85=850nm			5=Hi980	2=900um loose tube	10=1.0m	1= FC/APC	1= FC/APC
	98=980nm			6=Hi1060	.	.	2= FC/PC	2= FC/PC
	03=1030nm	.		.	.	3= SC/APC	3= SC/APC	
	06=1060nm	.		.	.	4= SC/PC	4= SC/PC	
	.	20=2.0m		5= ST	5= ST			
	.	.		6= LC/UPC	6= LC/UPC			
.	.	7= LC/APC	7= LC/APC					

\*The fiber length of 900µm loose tube is up to 2m.