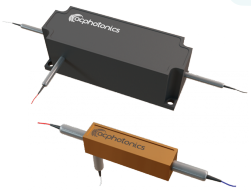
Polarization-Insensitive Optical Circulator (830-1060nm)



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

PERFORMANCE SPECIFICATIONS

Parameter	Specifications	
Type	Wide Band	Narrow Band
Operating Wavelength	830, 850, 980, 1030 or 1060nm	1060nm
Bandwidth	± 30nm[1)]	± 10nm[2)]
Peak Isolation (Typ.)	25dB	28dB
Isolation (Min.)*	≥20dB(@±10nm); ≥18dB(@±20nm); ≥16dB(@±30nm)	≥ 23dB
Insertion Loss (Typ.)	1.3dB @ Center Wavelength	1.5dB
Insertion Loss (Max.)	≤1.6dB(@±10nm); ≤1.8dB(@±20nm); ≤2.0dB(@±30nm)	≤ 2.0dB
Return Loss	≥ 50dB	
Polarization Dependent Loss	Typ.: 0.10dB ; Max.: ≤ 0.20dB	
Channel Crosstalk	Typ.: 50dB; Max.: ≥ 45dB	
Optical Power	≤ 600mW	
Operating Temperature	0 to +50°C	
Storage Temperature	- 40 to +85°C	
Package Dimensions (LxWxH)	A= 65x28x27mm for wide band; 34x8.4x8.4mm for narrow band	

Note:

* Overall bandwidth at 23°C

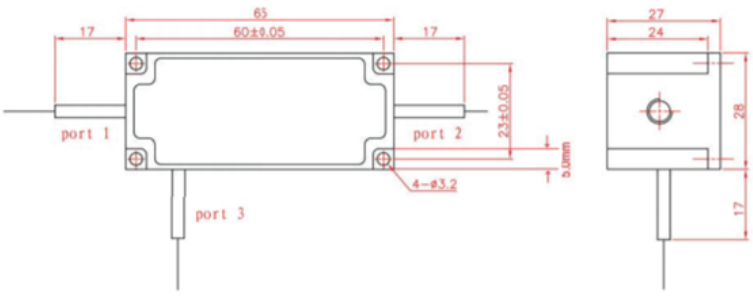
** Does not include connector, splice and fiber-end Fresnel losses.

1) Wide band; 2)Narrow band

All values referenced are without connector.

MECHANICAL DIMENSIONS

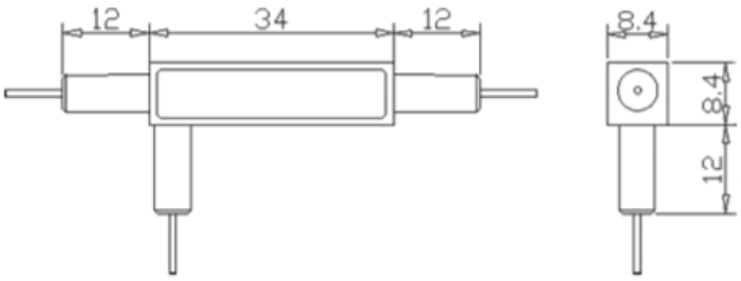
A package (Wide band)



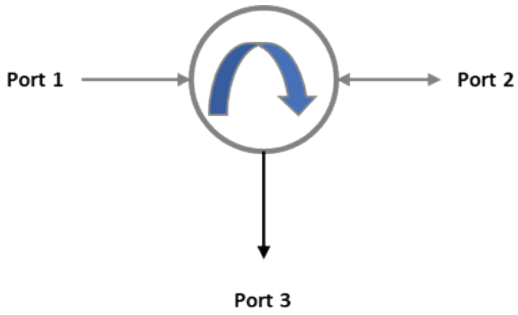
Polarization-Insensitive Optical Circulator (830-1060nm)

MECHANICAL DIMENSIONS

A package (Narrow band)



PORT CONFIGURATIONS



ORDERING INFORMATION

PIOC	Port	Grade	Bandwidth	Operating Wavelength	Package	Fiber Type	Pigtail Style	Fiber Length	In Connector	Out Connector
	3=3 Port	P=P Grade	W=Wide band N=Narrow band	83=830nm 85=850nm 98=980nm 03=1030nm 06=1060nm	A=A package	4=Hi780 5=Hi980 6=Hi1060 7=Hi1060 Flex	1=Bare fiber 2=900um loose tube	05=0.5m 10=1.0m · · · 20=2.0m	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