

4-PORT OPTICAL CIRCULATORS

Features:

Smallest Package Size
 Low Insertion Loss
 Low PDL
 Highly Stable& Reliable
 Low Insertion Loss
 High Channel Isolation
 Epoxy-free Optical Path

Applications:

Optical Amplification
 Metropolitan Area Network
 Dynamic Gain Equalization
 Dispersion Compensation
 Laboratory R&D



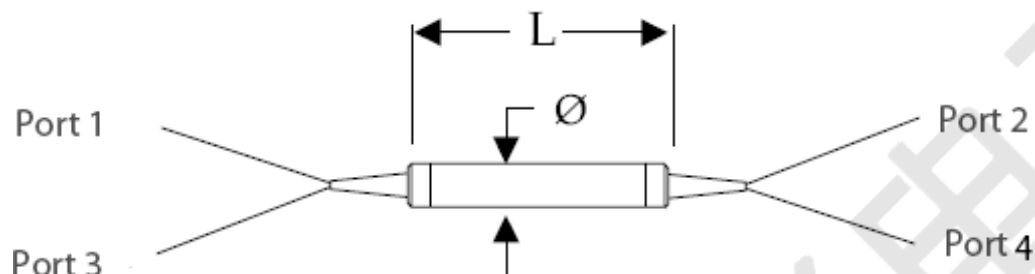
Performance Specification

3PORT-CIR Series		Min	Typical	Max	Unit
Operating Wavelength Range	1310	1290~1330			nm
	C Band	1525~1570			
	L Band	1570~1610			
	C+L Band	1525~1610			nm
Insertion Loss (1→2, 2→3, 3→4@, SOP, exclude connectors)	1310, C or L	0.6		0.8	dB
	C+L Band	0.7		0.9	dB
Polarization Dependent Loss (PDL)	1310, C or L			0.06	dB
	C+L Band			0.1	dB
Polarization Mode Dispersion (PMD)	1310, C or L			0.15	ps
	C+L Band			0.18	ps
Insertion (2→1, 3→2, 4→3@, SOP)	1310, C or L	38			dB
	C+L Band	32			dB
Return Loss		50			dB
Directivity (1→3, 2→4)		50			dB
Chromatic Dispersion				3	ps/nm
Operating Power				500	mW
Operating Temperature		0 to~+70			°C
Storage Temperature		-40 to~+85			°C
Fiber Type		Corning SMF-28			
Color Code		Port1:black;Port2&3:clear			
Package Dimensions	250Um Bare Fiber	P1 Φ 5.5x50 / Φ 5.5x38			mm
	900Um loose tube	P2 Φ 5.5x55.0			mm

* Note:

- 1) The maximum IL is under all states of polarization and within the full operating temperature And wavelength ranges specified
- 2) All the parameters are excluding connectors

Mechanical Drawing/Package Dimensions (dimension in mm)



Ordering Information: CIR-①①-②-③-④-⑤-⑥

①①Wavelength

13=1310nm
CB=1550nm
LB=1590nm
CL=1570nm

②Fiber type

1=250um bare fiber
2=900um loose tube
S= custom spec

③Fiber length

1=1m
S=custom spec

④Package dimension

A=Package dimension A
S=custom spec

⑤Connector

0=None
1=FC/APC
2=FC/PC
3=SC/APC
4=SC/PC
5=ST
6=LC
S=custom spec

⑥ Port Configuration

4=4 Ports

*The tolerance of fiber length is +/-0.1m. 1 meter is standard. The lead-time for special Fiber length will be longer