

3-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



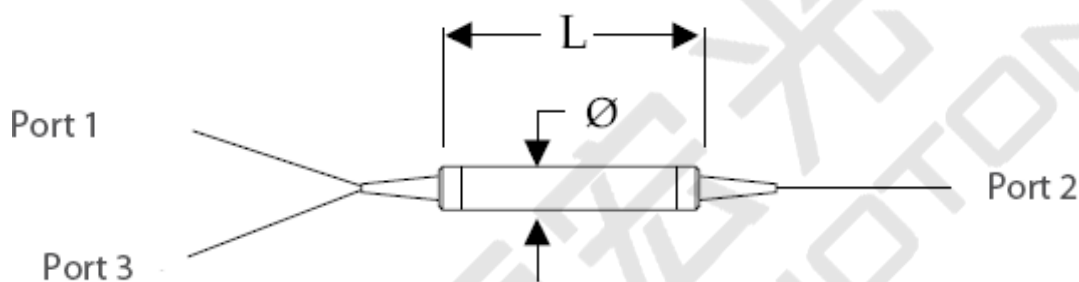
Performance Specification

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→2or2→3@, SOP, exclude connectors)	1310, C or L		0.5	0.7	dB
	C+L Band		0.7	0.9	dB
Polarization Dependent Loss (PDL)	1310, C or L			0.1	dB
	C+L Band			0.2	dB
Polarization Mode Dispersion(PMD)	1310, C or L			0.06	ps
	C+L Band			0.1	ps
Insertion (2→1or3→2@, SOP)	1310, C or L	38			dB
	C+L Band	32			dB
Return Loss		50			dB
Directivity(1→3)		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

3=3 Ports

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