

Mini 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



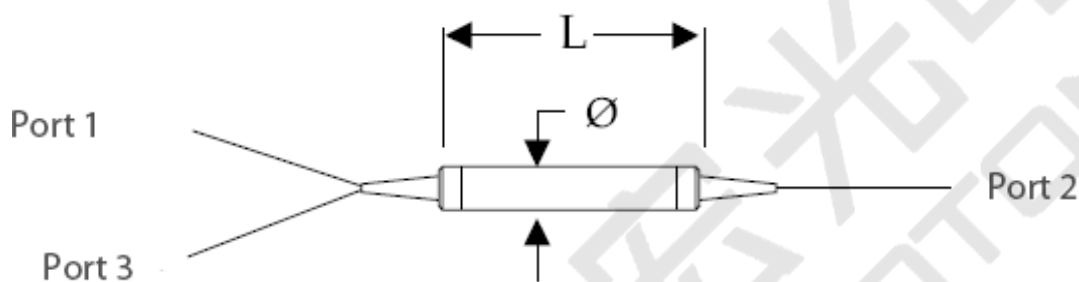
Performance Specification

Mini-3-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		Φ 5.5x32		mm
	900Um loose tube		Φ 5.5x40		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	②Fiber type	③Fiber length	④Package dimension	⑤Connector
13=1310nm	1=250um bare fiber	1=1m	A=Package dimension A	0=None
CB=1550nm	2=900um loose tube	S=custom spec		1=FC/APC
LB=1590nm	S= custom spec			2=FC/PC
CL=1570nm			S=custom spec	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