

Description:

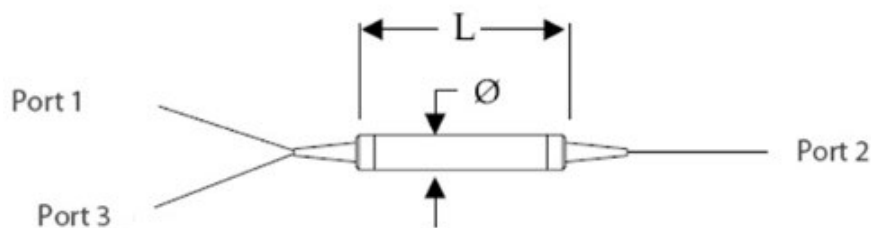
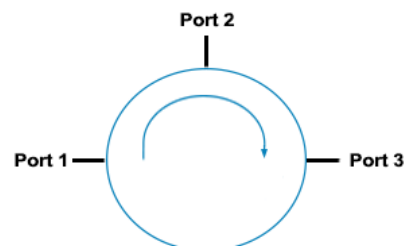
Passive three-port devices that couple light from Port 1 to 2 and Port 2 to 3 and have high isolation in other directions.

Features:

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

Applications:

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



Specifications:

3 Port FCIR Series Circulator		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 or 2 → 3@ SOP, excludes connectors)	1310, C or L	0.5 0.7			dB
	C+L Band	0.7 0.9			dB
Polarization Dependent Loss	1310, C or L	0.1			dB
	C+L Band	0.2			dB
Polarization Mode Dispersion (PMD)	1310, C or L	0.6			dB
	C+L Band	0.1			dB
Insertion (2 → 1 or 3 → 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		Port 1: Black; Port 2 & 3: Clear			
Package Dimensions	250um Bare Fiber	P1 Ø 5.5x55.0			mm
	900um Loose Tube	P1 Ø 5.5x55.0			mm

*****NOTE:**

- 1) The Maximum IL is under all states of polarization and within full operating temperature and wavelength ranges as specified.
- 2) Parameters do not include connectors.

Ordering Information:

FCIR	-	X	XX	X	XX	X	-	X
F = Fiberdyne		Port Configuration	Wavelength	Fiber Type	Fiber Length	Package Type		Connector
CIR=Circulator		3=3 Port	13=1310nm	02=250um	1=1.0	A=Standard Steel Tube		0=None
			CB=1550nm	09=0.9mm (900um)	S=Custom (Specify)	C=Filter Case (100x31x8mm)		1=FC/UPC
			LB=1590nm	20=2.0mm		F=Field Module (100x80x10mm)		2=FC/APC
			CL=1570nm	30=3.0mm		L=LGX Module (100x80x10mm)		3=SC/UPC
						R=1u Rack Module		4=SC/APC
						S=Custom (Specify)		7=Custom (Specify)
						W=Wallmount		L=LC/UPC
								N=LC/APC

NOTES:

- 1) Package type C is standard for fiber type 20 and 30, A package is not available
- 2) Multiple circulators may be packaged types F, L, R and W. Contact Fiberdyne Sales Rep for custom requirements.