

Polarization Insensitive Optical Circulator

FEATURES

- High Isolation
- Low Insertion Loss
- Epoxy-Free Optical Path
- High Reliability and Stability
- Low Profile Packaging

APPLICATIONS

- Fiber Optic Amplifiers
- Fiber Optic Instruments
- WDM Systems
- Dispersion Compensation
- Light Routing



SPECIFICATIONS

Configuration		Unit	3-port	4-port
Working Wavelength		nm	1295-1325, 1470-1490 1525-1570, 1570-1610 1525~1610 (C+L Band)	
Insertion Loss	(Typ.)	dB	0.6	0.8
	(Max.)	dB	0.9	1.2
Isolation	(Typ.)	dB	50	50
	(Min.)	dB	40	35
Optical Return Loss		dB	≥50	
Cross Talk		dB	≥50	
Polarization Dependent Loss		dB	≤0.10	≤0.20
Polarization Mode Dispersion		ps	≤0.10	
Fiber Type		-	SMF-28 Fiber or 10/130um DC Fiber (O) 12/130um DC Fiber (T) or 20/130um DC Fiber (Q) 25/250um DC Fiber (R) or 25/300um DC Fiber (G)	
Fiber Tensile Load		N	5	
Maximum Optical Power (CW)		mW	300	
Operating Temperature		°C	0~70	
Storage Temperature		°C	-40~85	
Package Dimension	Standard SST	mm	Φ5.5xL50	Φ5.5xL68
	Plastic Box Q	mm	L90xW20xH10	
	Mini-size	mm	Φ5.5xL38	

- Note:**
1. Specifications are for device without connectors; Specifications may change without notice.
 2. To add connectors, IL is 0.3dB higher, RL is 5dB lower.
 3. Devices for higher optical power or with other type fiber or consigned fiber are also available; Devices can only work in the core of Double Cladding (DC) Fiber, Cladding Power must be stripped before connecting the device.

ORDERING INFORMATION (PN)

FCIR-NNNN	-	N	(C)	(C)	C	NN	-	CC/CCC
Center Wavelength		Configuration	Package	Fiber Type	Fiber Sleeve	Fiber Length		Connector Type
1310-1310nm		3-3-port	M=Minisize	O=10/130 DC Fiber	B= Bare Fiber	05=0.5m		N=Without Connector
1550-1550nm		4-4-port	Q=Plastic Box Q	T=12/130 DC Fiber	L= Loose Tube	10=1.0m		FC/APC=FC/APC Connector
1590-1590nm			Blank for Standard	R=25/250 DC Fiber	2=2mm Cable	15=1.5m		LC/PC=LC/PC Connector
CL=1525-1610nm				Blank for SMF-28 Fiber	3=3mm Cable	20=2.0m		SC/UPC=SC/UPC Connector