

Polarization Insensitive Optical Circulator

Features	
High isolation & High Return Loss	
Low insertion loss & PDL	
Optical Path Epoxy Free	
Application	
EDFA, DWDM and OTDR	
DWDM and OADM networks	
Bi-directional transmission system	

Specifications

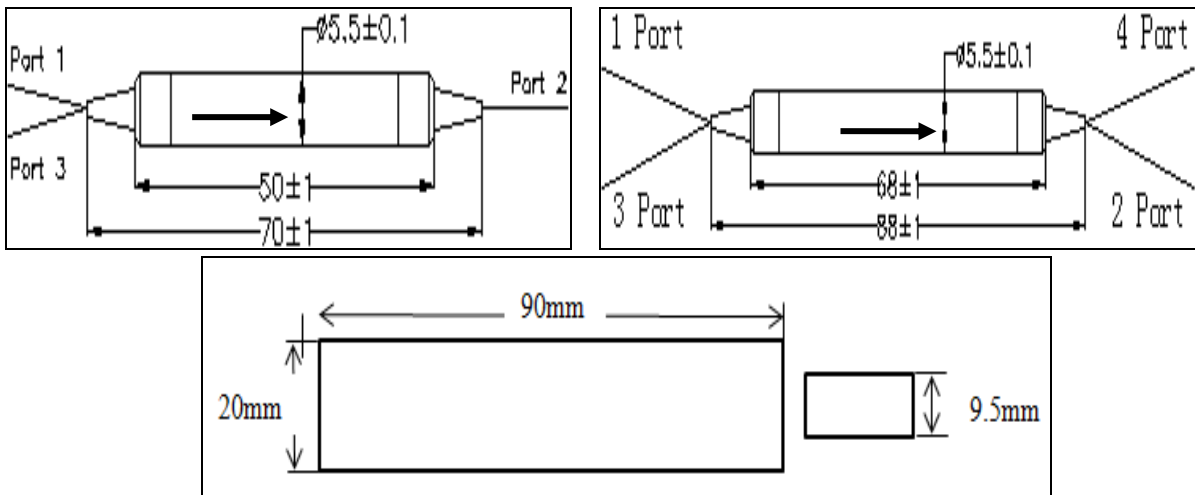
Parameter		Type	3 Port		4 Port	
Operating wavelength (nm)			1310, 1480, 1550,	1570	1310, 1480, 1550	1570
Bandwidth			±30	±50	±30	±50
Typ. Peak Isolation			55	55	52	52
Isolation @23°C (dB)			≥40	≥35	≥40	≥35
Insertion Loss @0~70°C (dB)	Grade P		≤0.8	≤1.1	≤1.0	≤1.2
	Grade A		≤1.0	≤1.2	≤1.2	≤1.3
PDL (dB)			≤0.15		≤0.20	
Return loss (dB)			≥50			
PMD (ps)			≤0.1			
Directivity			≥50			
Power handling (mW)			≤300			
Fiber Type			SMF-28e			
Operating temperature (°C)			0 ~ +70			
Storage temperature (°C)			-40 ~ +85			
Package Dimensions (mm)	For bare fiber or 900um loose tube		φ5.5×L50(P2)		φ5.5×L68(P5)	
	For 3mm or 2mm cable		L90*W20*H9.5 (ABS)			

*Above specifications are for devices without the connectors.

*For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower

*The transmission optical path of 3 Port is different from 4Port: 3Port: 1 -> 2, 2 -> 3; 4Port: 1 -> 2, 2 -> 3, 3 -> 4

Package Dimension



Ordering Information

FCIR	wavelength	Type	Grade	0	Package type	Pigtail Type	Length	Connector
FCIR	1310=1310nm	3=3Port	P=P Grade		2=P2 (5.5*50mm)	1=250um	H=0.5m	0=None
	1480=1480nm	4=4Port	A=A Grade		5=P5 (5.5*68mm)	bare fiber	8=0.8m	1=FC/UPC
	1550=1550nm				9=P9 (90*20*9.5mm)	2=900um	1=1.0m	2=FC/APC
	1570=1520nm					loose tube	5=1.5m	3=LC/UPC
	~1620nm					3=3mm	2=2.0m	4=LC/APC
						loose tube	3=3.0m	5=SC/APC
					4=2mm	4=4.0m	6=SC/UPC	
					loose tube	A=2.5m		
						B=5.0m		