

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

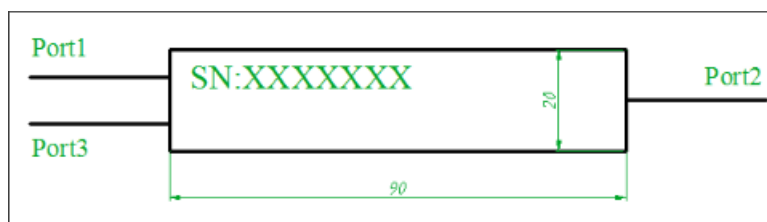
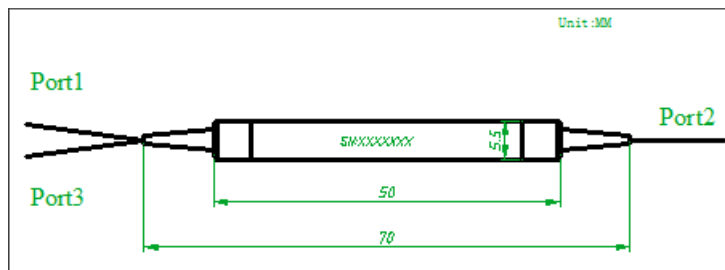
Specifications:

Parameter \ Type	3 Port		4 Port	
Configuration	Port 1 to Port 2;Port 2 to Port 3		Port 1 to Port 2; Port 2 to Port 3; Port 3 to Port4	
Operating wavelength (nm)	1310, 1480,1550, 1580 (+/-30)	C+L (1520~1620)	1310, 1480,1550, 1580 (+/-30)	C+L (1520~1620)
Typ. Peak Isolation	50	50	50	50
Isolation (λ_c ,23°C all SOP) (dB)	≥ 40	≥ 40	≥ 40	≥ 40
Isolation (Over all λ , T, SOP) (dB)	≥ 35	≥ 30	≥ 35	≥ 30
Insertion Loss (λ_c , 0~70°C all SOP) (dB)	Grade P	≤ 0.8	≤ 1.0	≤ 1.2
	Grade A	≤ 1.0	≤ 1.2	≤ 1.3
PDL (dB)	≤ 0.15		≤ 0.20	
Return loss (dB)	≥ 50			
PMD (ps)	≤ 0.1			
Directivity	≥ 50			
Power handling (mW)	≤ 500			
Fiber Type	SMF-28e			
Operating temperature (°C)	0 ~ +70			
Storage temperature (°C)	-40 ~ +85			
Package Dimensions (mm)	For bare fiber or 900um loose tube	$\phi 5.5 \times L50(P1)$	$\phi 5.5 \times L38$	$\phi 5.5 \times L64$
	For 3mm or 2mm cable	L90*W20*H9.5(P2)		

*Above specifications are for devices without the connectors.

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

Packing Dimensions:



Polarization Insensitive Optical Circulator

Ordering Information:

FCIR	wavelength	Type	Grade	0	Package	Pigtail Type	Length	Connector
FCIR	1310=1310nm 1480=1480nm 1550=1550nm 1580=1580nm CL00=1520~1620nm	3=3Port 4=4Port	P=P Grade A= A Grade	0	1=P1(5.5*50mm) 2=P2(90*20*9.5mm) 3=P3(4.7*43 ± 1mm) 4=P4(4.9*43 ± 1mm)	1=250um bare fiber 2=900um loose tube 3=3mm loose tube 4=2mm loose tube S=Specify	H=0.5m 8=0.8m 1=1.0m 5=1.5m 2=2.0m 3=3.0m 4=4.0m A=2.5m B=5.0m S=Specify	0=None 1=FC/UPC 2=FC/APC 3=SC/APC 4=SC/UPC 5=MU 6=LC/UPC 7=LC/APC S=Specify