

3-Port 1260~1650nm Wide Band Optical Circulator (1260~1650nm Wide Band)

Spec. Number	SR0064 REV01	N/A
Date	2022-02-26	2022-02-26
Part Number	FCIR16503P02212	NA

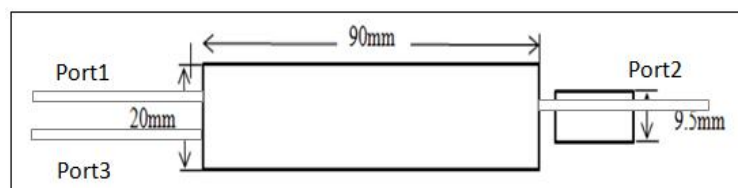
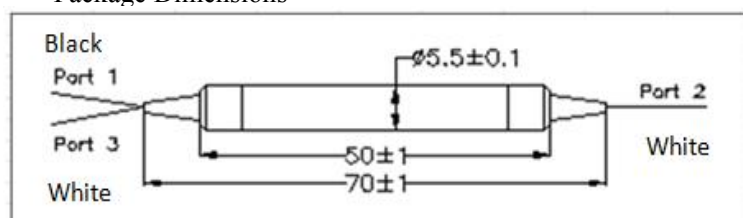
Specifications

Parameter	Symbol	Min	Typical	Max	Unit	Notes
Operating wavelength range 1	Op1		1260 ~ 1340		nm	
Operating wavelength range 2	Op2		1510 ~ 1590		nm	
Operating wavelength range 3	Op3		1600 ~ 1650		nm	
Insertion loss @ Op1	IL ₁			3.5	dB	
Insertion loss @ Op2	IL ₂			1.2	dB	
Insertion loss @ Op3	IL ₃			2.4	dB	
Isolation (2 1or 3 2 @ Op1)	IS ₁	10			dB	
Isolation (2 1or 3 2 @ Op2)	IS ₂	35			dB	
Isolation (2 1or 3 2 @ Op3)	IS ₃	25			dB	
Polarization dependent loss (1 2 or 2 3)	@1310nm			0.3	dB	
	@1550nm			0.2	dB	
	@1625nm			0.25	dB	
Directivity (1 3 @1310, 1550, 1625nm)	DIR	50			dB	
Return loss @1310, 1550, 1625nm	RL	45			dB	
Polarization mode dispersion	PMD			0.15	ps	[1]
Optical power handling	P			500	mW	[1]
Operating temperature range	T _{Op}	0		65	°C	
Storage temperature	T _{Sto}	-40		85	°C	
Relative humidity (non-condensing)		0		95	%RH	
Physical dimensions		() 5.5 ± 0.1; L: 50 ± 1			mm	[2]
Fiber length	FL	> 1.0			m	
Fiber type		G.657 A1, 125/250um bare fiber, with 900um loose tube				
Connectors		None				
Port identification		Port 1: Black; Port 2 and Port 3: Clear				

*Above specifications are for devices without the connectors.

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

Package Dimensions



Ordering Information

FCIR	wavelength	Type	Grade	0	Package type	Pigtail Type	Length	Connector	Customer
FCIR	1650=1260-1650nm	3=3Port	P=P		2=P2 (5.5*50mm)	1=250um	H=0.5m	0=None	Customer
			Grade		5=P5 (5.5*68mm)	bare fiber	8=0.8m	1=FC/UPC	
			A=A		9=P9 (90*20*9.5mm)	2=900um	1=1.0m	2=FC/APC	
			Grade			loose tube	5=1.5m	3=LC/UPC	
						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		