

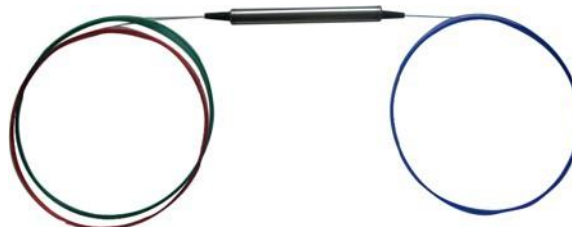


Features

Compact Size
Low Insertion Loss
High Stability, High Reliability
Epoxy-free on Optical Path

Applications

Fiber Sensor
Add/Drop Multiplexing,
Dispersion Compensation
Bi-directional Transmission System
Instrument, testing and measurement



The 3-port polarization insensitive circulator features excellent performance over a wide wavelength range . The technology is a lead-free packaging platform and epoxy-free in optical path. These devices are designed to work as pump combiners for Dispersion Compensation, Bi-directional Transmission, Add/Drop Multiplexing, Fiber Sensor and other optical network applications.

Technical Specification

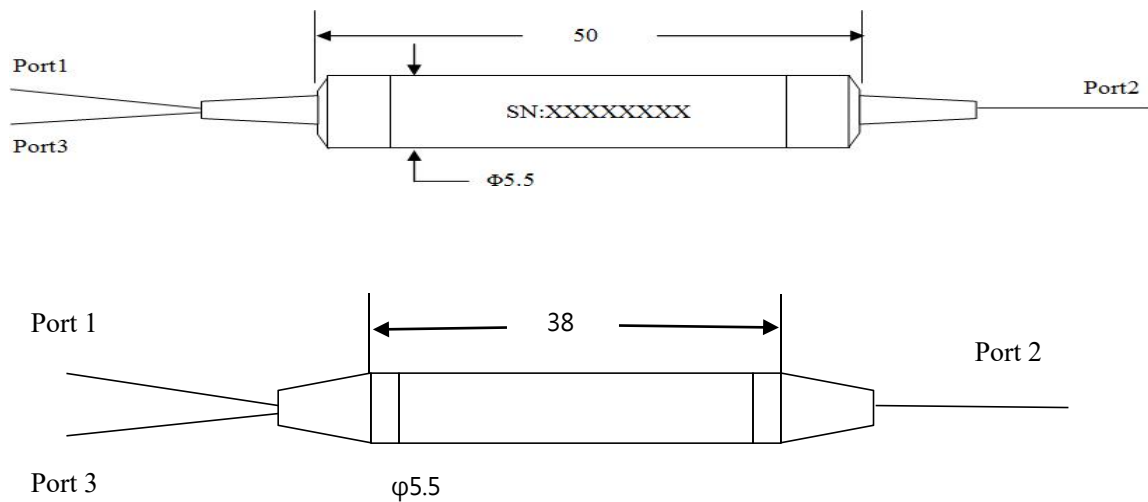
Parameters		Unit	Min	Typ	Max
Operating Wavelength Range	1310	nm	1310±20		
	1550	nm	1550±20		
	1625	nm	1625±10		
	1650	nm	1625		
Insertion Loss (1 2 or 2 3)	1310 or 1550	dB		0.5	0.8
	1625	dB		0.7	1.0
	1650	dB		0.9	1.2
Polarization Dependent Loss (PDL)	1310 or 1550	dB			0.10
	1625	dB			0.15
	1650	dB			0.20
Isolation (2 1 or 3 2)	1310 or 1550	dB	36		
	1625	dB	35		
	1650	dB	30		
PMD	1310 or 1550	ps			0.10
	1625	ps			0.10
	1650	ps			0.10
Directivity		dB	50		
Return Loss		dB	50		
Optical Power Handlin		mW			500
Operating Temperature		°C	-5~75		
Storage Temperature		°C	-40~85		



Fiber Type		SMF-28 or equivalent fiber
Color Code		Port 1: black; Port 2 & 3: clear

* All the parameters are excluding connectors;

Dimension (Unit:mm)



Ordering Information HC - CIR - A - B - C - D - E - F

A	B	C	D	E	F
Center Wavelength	Port	Dimension	Fiber Type	Fiber Length	Connector Type
1310=1310nm	3=3 Port	1= 50×Ø5.5	25= 250µm bare Fiber	05=0.5 meter	0=None
1550=1550nm	4=4 Port	2=38×Ø5.5	90= 900µm loose Fiber	10=1.0 meter	1=FC/PC
1625=1625nm				15=1.5 meter	2=FC/APC
1650=1650nm				20=2.0 meter	3=SC/PC
				30=Special	4=SC/APC
					5=LC/PC
					6=LC/APC
					7=Special