

1310±50nm OCT Broadband 3-port Polarization Insensitive Optical Circulator

1310±50nm OCT Broadband 3-port Polarization Insensitive Optical Circulator is fiber passive component special designed for Optical Coherence Tomography (OCT) Application, which can change signal light transmission path, the signal can be delivered from Port 1 to Port 2, the other signal light from Port 2 to Port 3, the high isolation can block the back reflection light. It's widely used in OCT System, Fiber Optic Sensor and Coherent Detecting field.

Application:

OCT
Fiber Optic Sensor
Coherent Detecting
Lab & Research

Features

Wide Band
High Isolation
Low Insertion Loss
High Reliability



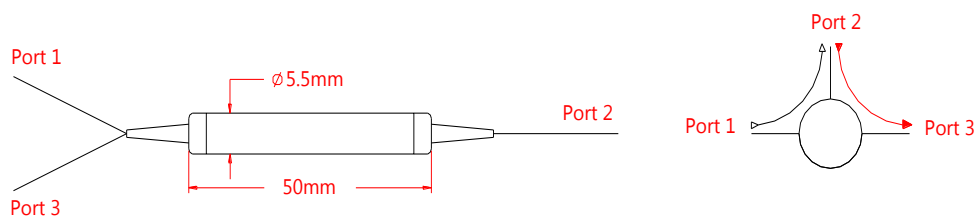
Specification:

Parameter	Symbol	Value	Unit
Center Wavelength	λ	1310	nm
Bandwidth	BW	±50	nm
Typ. Insertion Loss (Port 1 to 2, 2 to 3) @ λ	IL	0.7	dB
Max. Insertion Loss (Port 1 to 2, 2 to 3) @ λ	IL	1.0	dB
Typ. Isolation (Port 2 to 1, 3 to 2)	Iso	35	dB
Min. Isolation (Port 2 to 1, 3 to 2)	Iso	30	dB
Max. Polarization Dependent Loss	PDL	0.15	dB
Max. Polarization Mode Dispersion	PMD	0.1	ps
Min. Cross Talk	Ct	50	dB
Min. Directivity		50	dB
Min. Return Loss	RL	50	dB
Max. Optical Power (CW)	P	500	mW
Max. Tensile Load		5	N
Fiber Type		SMF-28e fiber	-
Operating Temperature	T	0~70	°C
Storage Temperature	T	-40~85	°C
Package Dimension		$\Phi 5.5 \times L50$	mm

Notice: Above specifications are tested without connector in room temperature @23°C.

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

Drawing:



Ordering Information (Part Number):

BPICIR-**WWW**-**P**-**J**-**LL**-**CC**

WWW	P	J	LL	CC
Wavelength	Port	Fiber Jacket	Fiber Length	Connector
1310 - 1310nm	3 - 3 Ports	B - 250um Bare Fiber 9 - 900um Loose Tube	05 - 0.5m 08 - 0.8m 10 - 1.0m 15 - 1.5m 20 - 2.0m SS - Specify	NE - None FA - FC/APC FU - FC/UPC SS - Specify