1360nm High Power 3-port Polarization Insensitive Optical Circulator

1360nm High Power 3-port Polarization Insensitive Optical Circulator is a fiber passive component built with faraday crystal, 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 Fiber Amplifier System, Fiber Optic Sensor and Testing System field. The handling power can be up to 20W CW.

Application:

Fiber Optic Sensor
Fiber Optic Amplifier
Coherent Detecting
Testing System

Features:

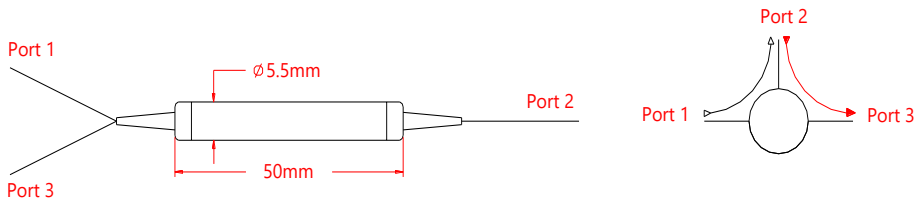
High Power
High Isolation
Low Insertion Loss
High Reliability

Specification:

Parameter	Symbol	Value	Unit
Center Wavelength	λ	1360	nm
Bandwidth	BW	±30	nm
Typ. Insertion Loss (Port 1 to 2, 2 to 3)	IL	0.8	dB
Max. Insertion Loss (Port 1 to 2, 2 to 3)	IL	1.0	dB
Typ. Isolation (Port 2 to 1, 3 to 2)	Iso	45	dB
Min. Isolation (Port 2 to 1, 3 to 2)	Iso	35	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	1, 3, 5, 10, 15, 20 or customized	W
Max. Peak Power	P	5, 10, 20 or customized	kW
Max. Tensil Load		5	N
Fiber Type		SMF-28e fiber	-
Operating Temperature	T	-5~70	℃
Storage Temperature	T	-40~85	℃
Package Dimension		Φ5.5×L50 or L90xW12xH10	mm

Notice: Above specifications are tested at center wavelength without connector in room temperature @23℃.
For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower. connectors only 1W CW optical power guarantee.

Drawing:



Ordering Information (Part Number):

HPICIR-WWWW-P-HH-J-LL-CC

WWWW	P	HH	J	LL	CC
Wavelength	**Port**	**Handling Power**	**Fiber Jacket**	**Fiber Length**	**Connector**
1300 - 1300nm	3 - 3 Ports	01 - 1W	B - 250um Bare Fiber	05 - 0.5m	NE - None
1310 - 1310nm		03 - 3W	9 - 900um Loose Tube	10 - 1.0m	FA - FC/APC
1350 - 1350nm		05 - 5W		15 - 1.5m	FU - FC/UPC
1360 - 1360nm		10 - 10W		20 - 2.0m	SA - SC/APC
1370 - 1370nm		20 - 20W		SS - Specify	
1380 - 1380nm		SS - Specify			
SSSS - Specify					