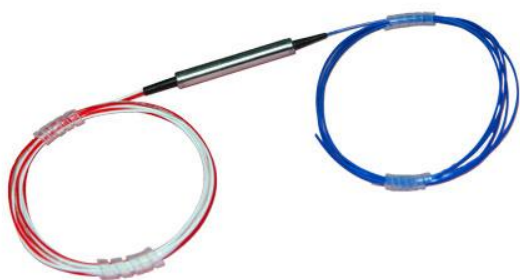


# High Power Polarization Insensitive Optical Circulator



## FEATURES

- ✓ High Isolation & High Return Loss
- ✓ Low Insertion Loss & PDL
- ✓ Optical Path Epoxy Free

## APPLICATIONS

- EDFA, DWDM, and OTOR
- DWDM and OADM networks
- Bi-directional Transmission System

## Specifications of High Power Polarization Insensitive Optical Circulator

Operating Wavelength (nm)	S+C+L Band (1540±80)
Isolation (over all $\lambda$ , T, SOP) (dB)	≥30
Insertion Loss ( $\lambda_c$ , 23°C, all SOP) (dB)	≤1.0
Insertion Loss ( $\lambda_c$ , 0~70°C, all SOP) (dB)	≤1.3
PDL (dB)	≤0.20
WDL (dB)	≤0.50
Return Loss (dB)	≥50
PMD (ps)	≤0.1
Directivity (dB)	≥50
Power Handling (W)	1, 2, 3, 5; others on request
Fiber Type	SMF-28e
Operating Temperature (°C)	0 ~ +70
Storage Temperature (°C)	-40 ~ +85
Package Dimensions (mm)	For $\phi$ 250 $\mu$ m bare fiber or $\phi$ 900 $\mu$ m loose tube
	For $\phi$ 3mm or $\phi$ 2mm cable
	$\phi$ 5.5 × L50
	L90 × W20 × H9.5

### Note:

1. The high power polarization insensitive optical circulator is customizable and the above specifications are subject to change without notice.
2. For device with connectors, IL is 0.3dB higher, RL is 5.0dB lower.
3. Bare fiber should not support the weight of the connector. So that if any connectors needed, for the pigtail type it's better to choose the 900 $\mu$ m loose tube jacket instead of the 250 $\mu$ m bare fiber.
4. For CW high-power optical interconnection, we recommend fusion splice without connectors.
5. For product customization or special requirements, please contact Lfiber's sales department for availability.

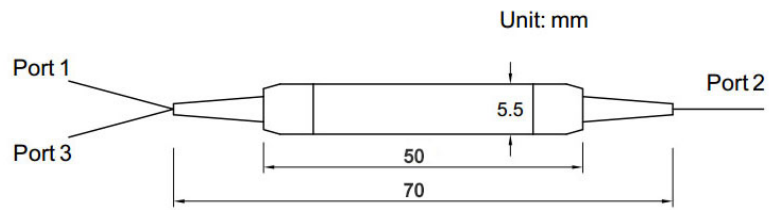


Optical Components, Fiber Optic Devices, Modules, and more.

More support, visit: [www.lfiber.com](http://www.lfiber.com)

Email: [sales@lfiber.com](mailto:sales@lfiber.com)

## Package Dimensions & Routing Characteristics



Routing: Port 1 → Port 2, Port 2 → Port 3

### Ordering Information for High Power Polarization Insensitive Optical Circulator

Center Wavelength	Port Type	Power	Package Dimensions	Pigtail Type	Fiber Length	Connector	
1540nm (1460-1620nm)	3-Port	1W	Φ5.5x50 mm	Φ250μm bare fiber	0.5m	None	
		2W	90x20x9.5 mm	Φ900μm loose tube	0.8m	FC/UPC	
		3W		Φ2mm cable	1.0m	FC/APC	
		5W		Φ3mm cable	1.5m	SC/APC	
		Custom			2.0m	SC/UPC	
						Custom ...	MU
							LC/PC
							LC/APC
							E2000 APC
							E2000 PC
					ST/PC		