

High Power Polarization Independent 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 Independent Optical Circulator

Operating Wavelength (nm)	1550±30	C+L Band (1570±50)
Peak Isolation @23°C (dB)	≥40	≥40
Isolation @23°C (dB)	≥35	≥30
Insertion Loss @23°C (dB)	≤1.0	≤1.0
PDL (dB)	≤0.15	≤0.20
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 to +70	
Storage Temperature (°C)	-40 to +85	
Package Dimensions (mm)	For Φ250μm bare fiber or Φ900μm loose tube	Φ5.5 × 50 (< 5W), 58 × 10 × 8 mm (>5W)
	For Φ3mm or Φ2mm cable	90 × 20 × 9.5 mm

Note:

1. This high power polarization independent 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 900μm loose tube jacket instead of the 250μm 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.

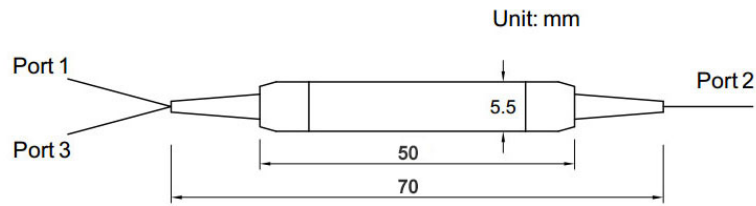


Optical Components, Fiber Optic Devices, Modules, and more.

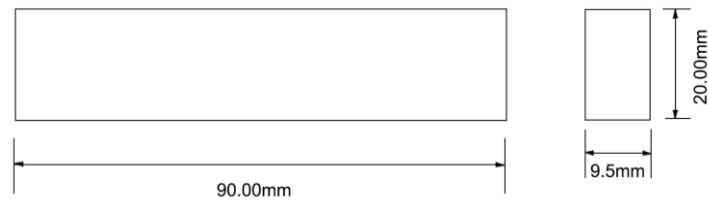
More support, visit: www.lfiber.com

Email: sales@lfiber.com

Package Dimensions & Routing Characteristics



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



Ordering Information for High Power Polarization Independent Optical Circulator

Center Wavelength	Port Type	Power	Package Dimensions	Pigtail Type	Fiber Length	Connector
1550nm	3-Port	1W	Φ5.5×50 mm	Φ250μm bare fiber	0.5m	None
1570nm		2W	58×10×8 mm	Φ900μm loose tube	0.8m	FC/UPC
		3W	90×20×9.5 mm	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