

U Band Polarization Insensitive Optical Circulator



ACP's Polarization insensitive optical circulator utilizes proprietary designs and metal bonding micro optics packaging. It provides low insertion loss, broad band high isolation, low PDL, excellent temperature stability and optical path epoxy free. It can be used for wavelength add/drop, dispersion compensation, and EDFA applications.

All AC Photonics' products are Telcordia qualification tested.

Key Features

- Low Insertion Loss
- Wide Band, High Isolation
- Low PDL
- Compact In-line Package
- High Stability and Reliability
- Epoxy Free Optical Path

Applications

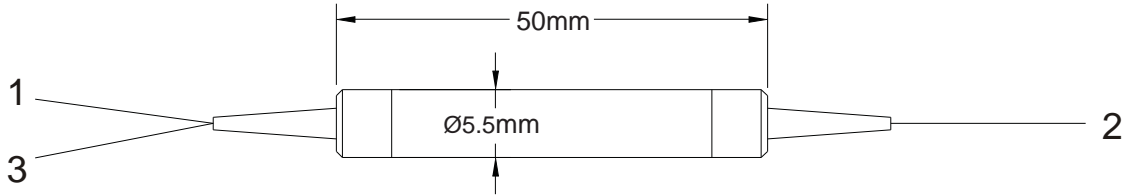
- Optical Amplifier
- Metro Area Network
- Wavelength Add/Drop
- Dispersion Compensation
- Bi-directional Communication

Performance Specifications

Parameter		Specifications
		Grade P
Configuration		Port1 to Port2 to Port3
Center Wavelength		1650nm
Operating Wavelength Range		1650±25nm
Insertion Loss	Typical	≤ 1.0dB
	Maximum	≤ 1.5dB
Channel Minimum Isolation		≥ 20dB
Channel Minimum Cross Talk		≥ 45dB
Polarization Dependent Loss (MAX.) (23°C)		≤ 0.25dB
Polarization Mode Dispersion (MAX.)		≤ 0.20ps
Return Loss (Min.)		≥ 40dB
Optical Power (Max.)(Continuous Wave)		300mW
Tensile Load (Max.)		5N
Fiber Type		SMF-28 Fiber
Operating Temperature		-5 to +70°C
Storage Temperature		-40 to +85°C
Package Dimensions		Ø5.5 x L50mm

Note: IL is 0.3 dB higher and RL is 5 dB lower for each connector added.

Mechanical Dimensions



Ordering Information

PIOC	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
	Port	Wavelength	Grade	Pigtail Style	Fiber Length	In/Out Connector
	3 = 3 Port	UB = U Band	P = Grade P	1 = Bare Fiber 2 = 900um Jacket 3 = 3mm cable	1 = 1.0m 2 = 2.0m	0 = None 1 = FC/APC 2 = FC/PC 3 = SC/APC 4 = SC/PC 5 = ST 6 = LC/UPC 7 = LC/APC