AC Photonics

phone: 408.986.9838
email: sales@acphotonics.com
website: www.acphotonics.com

4 Port 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

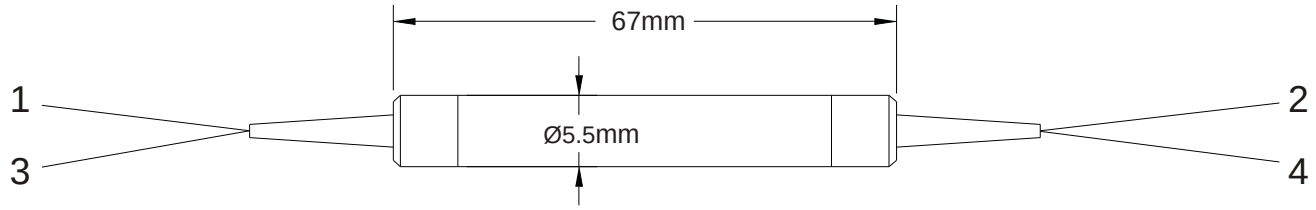
Applications

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

Performance Specifications

Parameter		Specifications	
		Grade P	Grade A
Configuration		Port1 to 2, Port2 to 3, Port3 to 4	
Operating Wavelength		1310±30nm, 1550±30nm	
Insertion Loss	Typical	≤ 0.8dB	≤ 1.0dB
	Maximum	≤ 1.0dB	≤ 1.2dB
Channel Peak Isolation		≥ 50dB	
Channel Minimum Isolation		≥ 40dB	
Channel Cross Talk		≥ 50dB	
Polarization Dependent Loss		≤ 0.15dB	
Polarization Mode Dispersion		≤ 0.10ps	
Return Loss		≥ 50dB	
Optical Power		≤ 300mW	
Operating Temperature		0 to +70°C	
Storage Temperature		-40 to +85°C	
Package Dimensions		Ø5.5 x L67mm	

Mechanical Dimensions



Ordering Information

PIOC	□	□□	□	□	□	□□
	Port	**Wavelength**	**Grade**	**Pigtail Style**	**Fiber Length**	**In/Out Connector**
	4 = 4 Port	13 = 1310nm 15 = 1550nm	P = Grade P A = Grade A	1 = Bare Fiber 2 = 900um Jacket	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