



# 4 Port Polarization Insensitive Optical Circulator

AC Photonics' 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 epoxy free optical path . It can be used for wavelength add/drop, dispersion compensation and EDFA application. All AC Photonics' products are Telcordia qualification tested.



## 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-Direction Communication

## Performance Specifications

Parameter		P Grade	A Grade
Configuration		Port 1 to 2, 2 to 3, 3 to 4	
Operation Wavelength (nm)		1310±30 or 1550±30	
Insertion Loss (dB)	Typical	0.8	1.0
	Maximum	1.0	1.2
Channel Peak Isolation (dB)		≥50	
Channel Isolation (dB)		≥40	
Channel Cross Talk (dB)		≥50	
PDL (dB)		≤0.15	
Polarization Mode Dispersion (ps)		≤0.1	
Return Loss (dB)		≥50	
Power Handling (mW)		300	
Operating Temperature ( °C )		0 ~+70	
Storage Temperature ( °C)		-40 ~+85	
Dimensions (mm)		Φ5.5 x L67	

Specifications may change without notice.



## 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
	4=4 Port	13=1310nm 15=1550nm	P=P Grade A=A Grade	1=250um Bare fiber 2 =900um Jacket	1=1m 2=2m	0=None 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=ST 6=LC/UPC 7=LC/APC

## Dimensions

