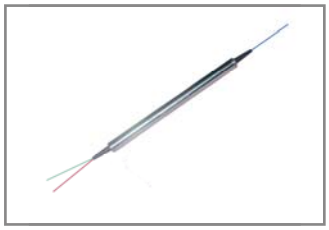
AC Photonics

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

Multimode Optical Circulator



ACP's Multimode 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

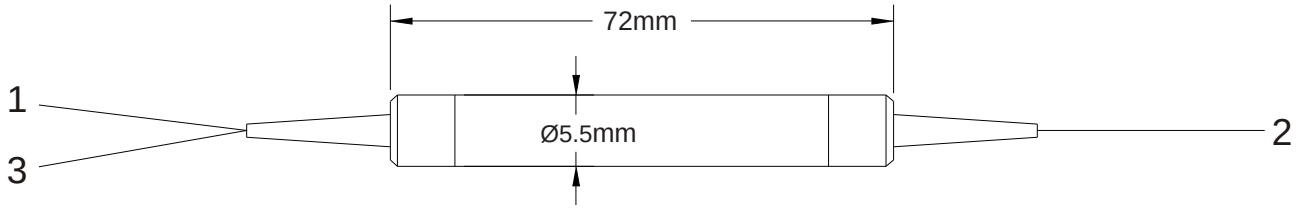
Applications

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

Performance Specifications

Parameter		Specifications	
		Grade P	Grade A
Configuration		Port 1 to 2, Port 2 to 3	
Operation Wavelength		1310±30nm, 1550±30nm, 1585±30nm	
Insertion Loss	Typical	≤ 1.0dB	≤ 1.1dB
	Maximum	≤ 1.3dB	≤ 1.5dB
Channel Peak Isolation		≥ 40dB	
Channel Minimum Isolation		≥ 30dB	
Channel Cross Talk		≥ 30dB	
Return Loss		≥ 30dB	
Optical Power		5W	
Operating Temperature		0 to +70°C	
Storage Temperature		-40 to +85°C	
Fiber Type		50/125um Multi-mode fiber or 62.5/125um Multi-mode fiber	
Package Dimensions		Ø5.5 x L72mm	

Mechanical Dimensions



Ordering Information

MPIOC	☐	☐☐	☐	☐	☐	☐	☐☐
	Port	**Wavelength**	**Grade**	**Pigtail Style**	**Fiber Length**	**Fiber Type**	**In/Out Connector**
	3 = 3 Port	13 = 1310nm 15 = 1550nm 16 = 1585nm	P = P Grade A = A Grade	1 = Bare Fiber 2 = 900um Jacket	1 = 1.0m 2 = 2.0m	1 = 50/125 Multi-mode 2 = 62.5/125 Multi-mode	0 = None 1 = FC/APC 2 = FC/PC 3 = SC/APC 4 = SC/PC 5 = ST 6 = LC/UPC