

## 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

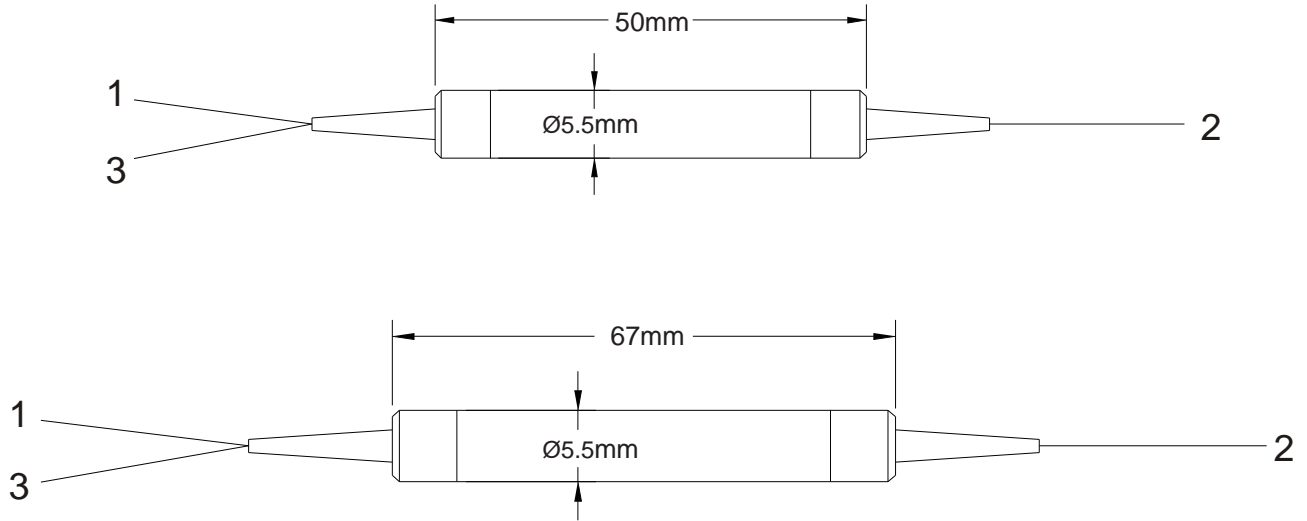
### Applications

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

### Performance Specifications

Parameter	Specifications	
	Grade P	Grade A
Configuration	Port 1 to 2, Port 2 to 3	
Operating Wavelength	1310±30nm, 1550±30nm, 1585±30nm	
Insertion Loss	Typical	≤ 0.6dB
	Maximum	≤ 0.8dB
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 L50mm or Ø5.5 x L67mm	

**Mechanical Dimensions**



**Ordering Information**

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	Port	Wavelength	Grade	Pigtail Style	Fiber Length	In/Out Connector	Dimensions Option
	3 = 3 Port	13 = 1310nm 15 = 1550nm 16 = 1585nm	P = Grade P A = Grade A	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	M = Ø5.5xL50 Leave Empty = Ø5.5xL67