

C&L 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

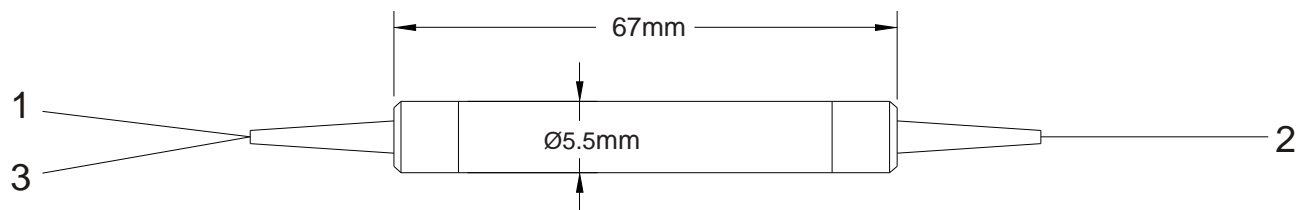
Applications

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

Performance Specifications

Parameter		Specifications	
		Grade P	Grade A
Configuration		Port1 to Port2 to Port3	
Operating Wavelength		1470nm to 1610nm	
Insertion Loss	Typical	≤ 0.7dB	≤ 0.8dB
	Maximum	≤ 1.0dB	≤ 1.1dB
Channel Peak Isolation		≥ 50dB@1550nm	
Channel Isolation		≥ 40dB@1520nm to 1580nm	
		≥ 32dB@1470nm to 1610nm	
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

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	Port	Wavelength	Grade	Pigtail Style	Fiber Length	In/Out Connector
	3 = 3 Port	CL = 1470nm to 1610nm	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