



# 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 application.

## FEATURES

- Low Insertion Loss
- Wide Band, High Isolation
- Low PDL
- Compact In-line Package
- High Stability and Reliability
- Epoxy Free Optical Path

## APPLICATION

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

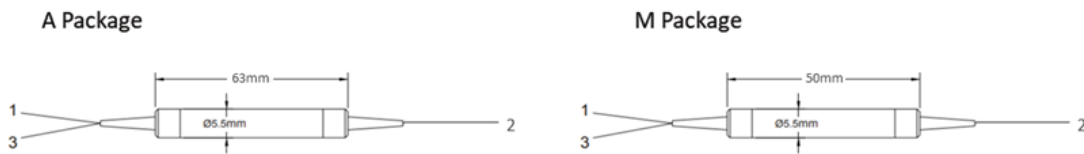
## PERFORMANCE SPECIFICATIONS

Parameter	Specifications
Operating Wavelength	1470 to 1610nm
Grade	P   A
Channel Peak Isolation	≥ 50dB @1550nm   ≥ 50dB @1550nm
Channel Isolation (Min.)	≥ 40dB@1520 to 1580nm   ≥ 40dB@1520 to 1580nm
	≥ 32dB@1470 to 1610nm   ≥ 32dB@1470 to 1610nm
Insertion Loss (Typ.)	0.70dB   0.80dB
Insertion Loss (Max)	≤ 1.0dB   ≤ 1.1dB
Return Loss	≥ 50dB   ≥ 50dB
Polarization Dependent Loss	≤ 0.15dB   ≤ 0.15dB
Polarization Mode Dispersion	≤ 0.10ps   ≤ 0.10ps
Channel Crosstalk	≥ 50dB   ≥ 50dB
Optical Power	≤ 300mW
Operating Temperature	0 to +70°C
Storage Temperature	- 40 to +85°C
Package Dimensions	A=Φ5.5xL63mm M=Φ5.5xL50mm

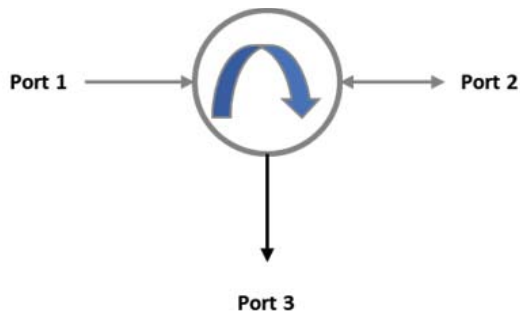
All values referenced are without connector.

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### MECHANICAL DIMENSIONS



### PORT CONFIGURATIONS



### ORDERING INFORMATION

PIOC	Port	Grade	Operating Wavelength	Package	Fiber Type*	Pigtail Style	Fiber Length	In Connector	Out Connector
	3=3 Port	P=P Grade A=A Grade	CL=1470 - 1610nm	A=A package M=M package	2=SMF-28 Ultra (G.657.A1) 3=ClearCurve ZBL(G.657.B3)	1=Bare fiber 2=900um loose tube	05=0.5m 10=1.0m · · · 20=2.0m	0 = None 1 = FC/APC 2 = FC/PC 3 = SC/APC 4 = SC/PC 5 = ST 6 = LC/UPC 7 = LC/APC	0 = None 1 = FC/APC 2 = FC/PC 3 = SC/APC 4 = SC/PC 5 = ST 6 = LC/UPC 7 = LC/APC

\*1=SMF-28(G.652) is available upon request.