



Polarization Maintaining Optical Circulator

AC Photonics' polarization maintaining optical circulator utilizes proprietary designs and metal bonding micro optics packaging. It provides low insertion loss, broad band high isolation, high extinction ratio, 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
- High Extinction Ratio
- 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 Port 2 to Port 3	
Operation Wavelength (nm)		1310±20 or 1550±20	
Insertion Loss (dB)	Typical	0.6	0.8
	Maximum	0.8	1.0
Channel Peak Isolation (dB)		40	
Channel Typical Isolation (dB)		30	
Channel Minimum Isolation (dB)		25	
Extinction Ratio (dB)	Minimum	20	
	Typical	25	
Directivity (dB)		>50	
Return Loss (dB)		>55	
Power Handling (mW)		300	
Operating Temperature (°C)		0 ~+70	
Storage Temperature (°C)		-40 ~+85	
Fiber Type		PM on port1 and 2, SM or PM on port3	
Dimensions (mm)		Φ5.5 x L 65mm	
Direction of incident polarization		Slow Axis	

1. The PM fiber and the connector key are aligned to the slow axis.
2. The ER is for fiber ≤ 0.75 meter. Increase fiber length can decrease the ER.
3. For devices with connectors, insertion loss will be 0.3dB higher, return loss will be 5dB lower, and extinction loss will be 2dB lower.



Ordering Information

PMOC	<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
	3=3 Port	13=1310nm 15=1550nm	A=A Grade P=P Grade	1=Bare Fiber 2 =900um Jacket	1=0.75m 2=1m	0=None 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=ST 6=LC/UPC 7=LC/APC

Dimensions

