

POLARIZATION MAINTAINING OPTICAL CIRCULATORS

PMOC Series

Product Description

Oplink's polarization Maintaining Optical Circulator (PMOC) is designed for use in network and amplifier application where polarization maintaining characteristics are needed. The PMOC features very low insertion loss, and low dispersion in a compact package.

Oplink can provide customized designs to meet specialized feature applications. Also, Oplink offers modular assemblies that integrate other components to form a full function module or subsystem.



Performance Specification

PMOC Series		Min	Typical	Max	Unit
Type		3 or 4 Port			
Operating Wavelength Range (λ_{op})	O Band	1290 ~ 1330			nm
	C Band	1525 ~ 1570			
	L Band	1570 ~ 1610			
Insertion Loss (@ λ_{op} , T_{op} , SOP)		0.8			dB
Wavelength Dependent Loss		0.15			dB
Channel Isolation (@ λ_{op} , T_{op} , SOP)		35	45		dB
Extinction Ratio		17	20		dB
Return Loss		50			dB
Directivity		50			dB
Polarization Alignment		Slow Axis			
Optical Power Handling		500			mW
Operating Temperature Range (Top)		-5 to +70			°C
Storage Temperature		-40 to +85			°C
Fiber Type		Fujikura Panda, 400μm UV Buffer			
Physical Dimension	3 ports	(Φ) 5.5 x (L) 60.0			mm
	4 ports	(Φ) 5.5 x (L) 62.0			

Note:

¹⁾ The maximum IL is under all states of polarization and within the full operating temperature and wavelength ranges specified..

²⁾ All the parameters are excluding connectors.

³⁾ The mechanical tolerance should be +/-0.2mm on all package dimensions unless otherwise custom specified

Features

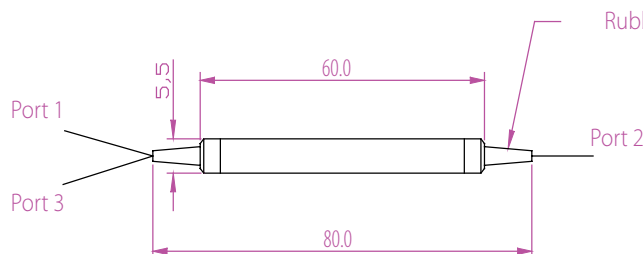
- ◆ Polarization Maintaining
- ◆ Low Insertion Loss
- ◆ Compact Size
- ◆ Epoxy-free Optical Path

Applications

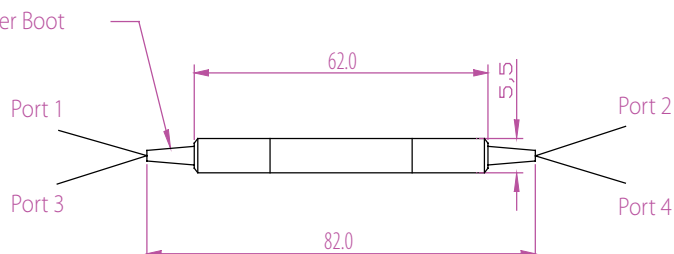
- ◆ Optical Amplification
- ◆ Network Application
- ◆ System Testing

Mechanical Drawing / Package Dimensions (dimension in mm)

3 Ports



4 Ports



Ordering Information

Oplink can provide a remarkable range of customized optical solutions. For detail, please contact Oplink's OEM design team or account manager for your requirements and ordering information (510) 933-7200.

PMOC

Center Channel Wavelength
 O band = 1310
 C band = 1550
 L band = 1600

Port Configuration
 3 ports = 3
 4 ports = 4

Package Type
 P1 = 1

Fiber Length*
 0.5 meter = H
 1.0 meter = 1
 1.5 meters = 5
 2.0 meters = 2

Fiber Type
 Fujikura Panda, 400μm
 UV Buffer = 1

Connector Type
 None = 1
 FC/PC = 2
 FC/SPC = 3
 FC/APC = 4
 SC/PC = 5
 SC/SPC = 6
 SC/APC = 7
 ST = 8
 LC = 9
 MU = A

* The tolerance of fiber length is $\pm 0.1m$.

* 1 meter is standard. * The lead-time for special fiber length will be longer.