

POLARIZATION MAINTAINING OPTICAL CIRCULATORS

PMOC Series

Features

- ◆ Polarization maintaining
- ◆ Low insertion loss
- ◆ Compact size
- ◆ Epoxy-free optical path

Applications

- ◆ Optical amplifier
- ◆ Network application
- ◆ System testing

Oplink Fiber Optic Product Lines

- ◆ Amplifier Components
- ◆ Amplifier Modules
- ◆ DWDMs
- ◆ Switching/Routing/
Monitoring/Conditioning
- ◆ Transmission
- ◆ RGB Laser Modules

POLARIZATION MAINTAINING OPTICAL CIRCULATORS

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.

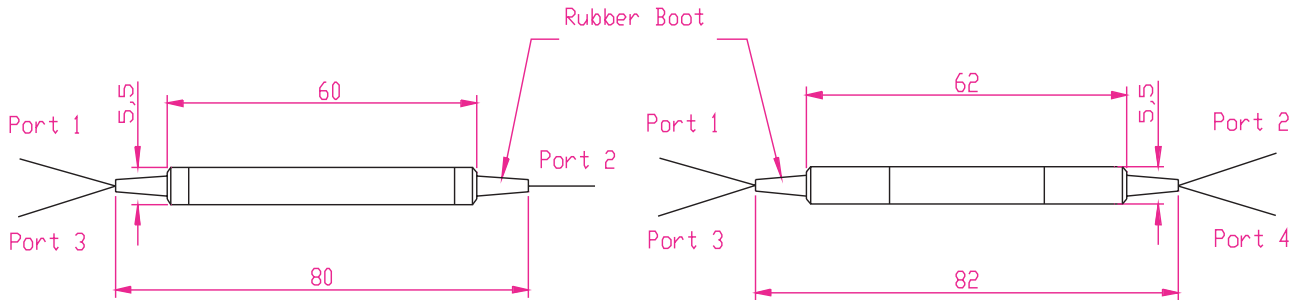
Performance Specifications

Parameter	Min.	Typical	Max.	Unit
Type	3 or 4 Port			
Operating Wavelength Range (λ_{op})	1290 ~ 1330 (O-Band), 1525 ~ 1570 (C-Band) or 1570 ~ 1610 (L-Band)			nm
Insertion Loss ¹ @ λ_{op} , Top, SOP			0.8	dB
Wavelength Dependent Loss			0.15	dB
Isolation @ λ_{op} , Top, SOP	35	45		dB
Extinction Ratio	17	20		dB
Return Loss ¹	50			dB
Directivity	50			dB
Polarization Alignment	Slow Axis			
Optical Power			500	mW
Operating Temperature Range (Top)	-5		70	°C
Storage Temperature	-40		85	°C
Fiber Type	Fujikura Panda, 400 μ m UV Buffer			
Physical Dimensions	3 Ports	$(\varnothing)5.5 \times 60.0(L)$		mm
	4 Ports	$(\varnothing)5.5 \times 62.0(L)$		mm

1. Excluding connectors.

POLARIZATION MAINTAINING OPTICAL CIRCULATORS

Mechanical Footprint Package Dimensions (unit : mm)



*This dimension only applies to 3-port circulator.

Ordering Information

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

