

Polarization Maintaining (PM) Circulator
Features

Low Insertion Loss
 Wide Band
 High Isolation
 Low PDL
 High Stability and Reliability
 Epoxy Free on Optical Path

Applications

Optical Amplifier
 Metro Area Network
 Wavelength Add / Drop
 Dispersion Compensation
 Bi-Direction Communications

Specification:-3 port

Parameter	Value
Wavelength Range(nm)	1310+/-30 or 1550+/-30
Insertion Loss(dB)	Typ0.7, Max 0.9
Channel Isolation(dB)	Typ. 46, Min.40
Extinction Ratio(dB)	>22
Return Loss(dB)	>55
Cross Talk(dB)	>50
Max. Tensile Load(N)	5
Operating Temperature(°C)	-5~70
Storage Temperature(°C)	-40~85
Input power(mW)	500mW

Specification:-4 port

Parameter	Value	
	N Type 1-> 2, 2 ->3, 3 -> 4	F Type 1-> 2, 2-> 3, 3-> 4, 4 ->1
Wavelength Range(nm)	1310+/-30 or 1550+/-30	1310+/-20 or 1550+/-20
Insertion Loss(dB)	Typ.0.8, Max.1.1	Typ.0.7, Max.1.0
Channel Isolation(dB)	Typ. 50, Min.40	Typ. 30, Min.20
Extinction Ratio(dB)	>20	>20
Return Loss(dB)	>55	
Cross Talk (Port 1 to Port 3, Port 2 to Port 4, 23C)(dB)	>50	
Max. Tensile Load(N)	5	
Operating Temperature(°C)	-5~70	
Storage Temperature(°C)	-40~85	
Input power(mW)	500mW	

Specification:-1064nm

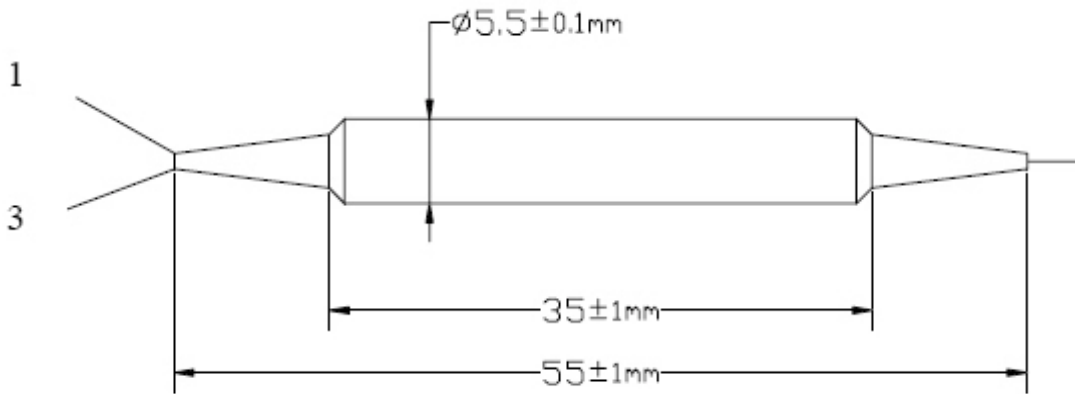
Parameter	Value	Value
Ports Configuration	3 Port 1-> 2, 2 ->3	4 Port 1-> 2, 2-> 3, 3-> 4, 4 ->1
Wavelength Range(nm)	1064+/-5	1064+/-5
Insertion Loss@23°C (dB)	Typ1.8, Max 2.1	Typ2.1, Max 2.3
Channel Isolation@23°C (dB)	Typ. 30, Min.25	Typ. 25, Min.23
Insertion Loss@-5 to + 50°C (dB)	Typ2.3 Max 2.7	Typ2.6 Max 2.8
Channel Isolation@-5 to + 50°C (dB)	Typ. 27, Min.22	Typ. 22, Min.20
Extinction Ratio(dB)	>20	>20
Return Loss(dB)	>50	>50
Cross Talk(dB)	>50	>50
Max. Tensile Load(N)	5	5
Fiber Type	PM 980 Panda Fiber or Specify	PM 980 Panda Fiber or Specify
Operating Temperature(°C)	-5~70	-5~70
Storage Temperature(°C)	-40~85	-40~85
Input power(mW)	500mW	500mW

*Above specifications are for device without connector.

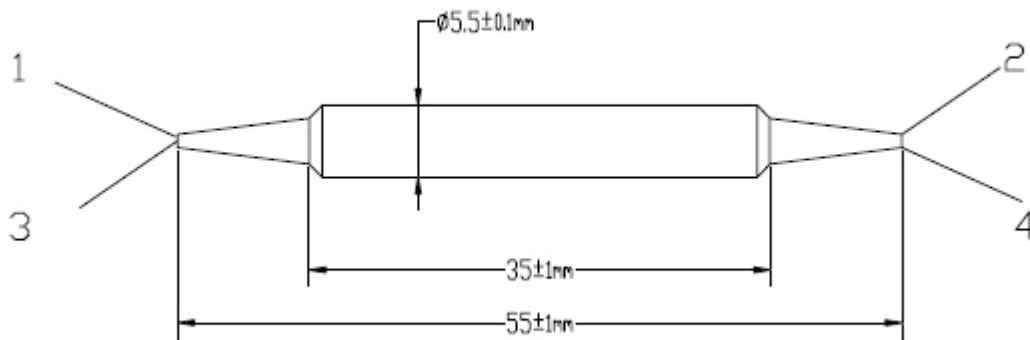
*For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower, and ER will be 2dB lower.

*All data tested at 23C.

Imagine-3 port



Imagine-4 port



Ordering Information

PMCI R	Port	Wavelength	Pigtail	Fiber length	Type	Connector
	3=3 Port 4=4 Port	1=1310nm 2=1550nm 3=1590nm 4=C&L Band 6=1060nm	B=250um fiber L=900um Jacket D=400um Fiber	10=1.0m 15=1.5m 20=2.0m 30=3.0m	N=Normal Type F=Full Circulating Type	NE=None FA=FC/APC FC=FC/PC SA=SC/APC SC=SC/PC ST=ST/PC LA=LC/APC LC=LC/PC XX=others