

Polarization Maintaining Optical Circulator(High ER)

Features

Low Insertion Loss
High Return Loss
High Extinction Ratio

Applications

Fiber Optic Instruments
Fiber Sensors
Coherent Detecting
Research

Specifications

Parameter	Unit	Values			
Port Type	-	1x2		2x2	
Type	-	Type A	Type B	Type A	Type B
Center Wavelength	nm	1310 or 1550			
Operating Wavelength Range	nm	±30	±20	±30	±20
Min. Isolation, 23℃	dB	40	20	40	20
Typ. Isolation	dB	46	30	50	30
Typ. Peak Isolation	dB	52	40	55	40
Typ. Insertion Loss	dB	0.7	0.6	0.8	0.7
Max. Insertion Loss	dB	0.9	0.8	1.1	1.0
Min. Extinction Ratio	dB	26, 28 or 30			
Min. Return Loss	dB	50			
Min. Cross Talk	dB	50			
Max. Optical Power (CW)	mW	500			
Max. Tensile Load	N	5			
Axis Alignment	-	Slow Axis Working, and Fast Axis Blocked			
Fiber Type	-	PM Panda Fiber			
Operating Temperature	℃	-5 to +70			
Storage Temperature	℃	-40 to +85			

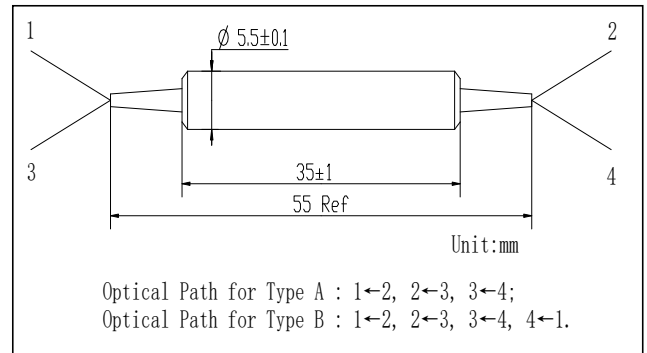
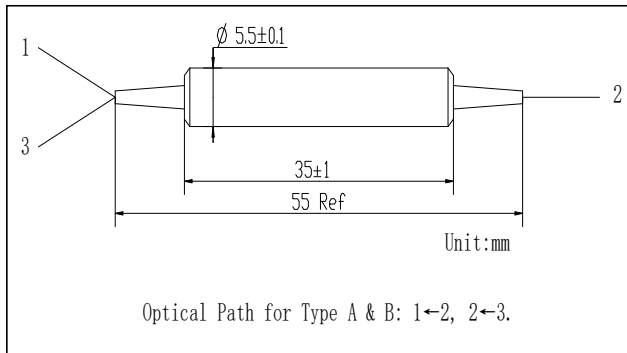
* Above specifications are for device without connector.

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

* The PM fiber and the connector key are aligned to the slow axis.

* The material must be RoHS compliant.

Package Dimensions



Ordering Information

PM CIR-①①-②③-④④④④-⑤⑤⑤⑤-⑥⑥-⑦-⑧⑧-⑨⑨

①①: Wavelength

31 - 1310nm

55 - 1550nm

SS- Specify

③: Port Type

1 - 1x2

2 - 2x2

④④④④: Connector Type on all Ports

1A- FC/UPC

2A - FC/APC

3D - SC/UPC

4D - SC/APC

N - None

S - Specify

⑤⑤⑤⑤: Fiber Jacket on all Ports

B - Bare Fiber

C - 900um Loose tube (Red)

D - 900um Loose tube (Blue)

S - Specify

⑦: Fiber Length

1 - 1.0m

S - Specify

⑧⑧: Package Dimensions

01 - Ø5.5x35

⑥⑥: Fiber Type

2A - PM1550 Fiber

3A - PM1310 Fiber

SS - Specify

⑨⑨: Extinction Ratio

26 - 26dB

28 - 28dB

30 - 30dB