

Optizone 2x2 Polarization Maintaining Optical Circulator

Features

High Isolation
High Extinction Ratio
Low Insertion Loss
Excellent Environmental Stability

Applications

Polarization Mode Dispersion Compensator
EDFA & Raman Amplifier
Coherent Telecommunication Systems
Fiber Optic Sensor

Specifications

Parameter	Unit	Values	
Type		Type A	Type B
Center Wavelength	nm	1310 or 1550	
Operating Wavelength Range	nm	± 30	± 20
Typ. Insertion Loss	dB	0.8	0.7
Max. Insertion Loss	dB	1.1	1.0
Min. Isolation at 23℃	dB	40	20
Typ. Isolation	dB	50	30
Min. Return Loss	dB	50	
Min. Extinction Ratio	dB	20	20
Min. Cross Talk (Port 1 to Port 3, Port 2 to Port 4)	dB	50	
Max. Optical Power (CW)	mW	500	
Max. Tensile Load	N	5	
Fiber Type	-	PM Panda Fiber	
Operating Temperature	℃	-5 to +70	
Storage Temperature	℃	-40 to +85	

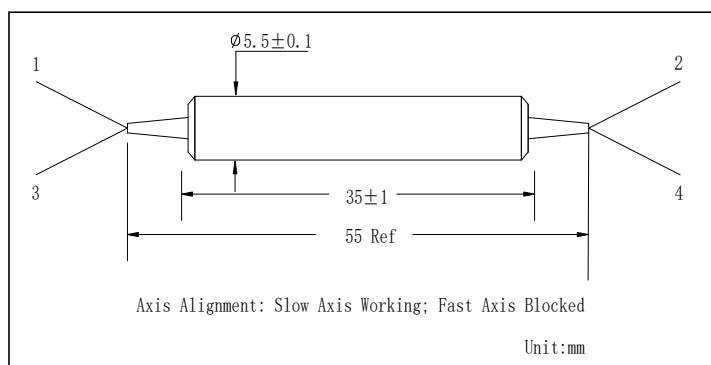
*Above specifications are for device without connector.

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

*The transmission optical path of A type is different from B type: A type: 1→2, 2→3, 3→4; B type: 1→2, 2→3, 3→4, 4→1.

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

Package Dimensions



Ordering Information

PM CIR-①①-②-③-④④④④-⑤⑤⑤⑤-⑥-⑦-⑧

①①: Wavelength

31 - 1310nm

55 - 1550nm

SS- Specify

②: Type

A - Type A

B - Type B

③: Port

2 - 2x2

④④④④: Connector Type on Port 1, 2, 3 & 4

1A- FC/UPC

2A - FC/APC

3D - SC/UPC

4D - SC/APC

N - None

S - Specify

⑤⑤⑤⑤: Fiber Jacket on Port 1, 2, 3 & 4

B - Bare Fiber

C - 900um Losse tube (Red)

D - 900um Losse tube (Blue)

E - 900um Losse tube (Black)

S - Specify

⑥: Fiber Type

2A - PM1550 Fiber

3A - PM1310 Fiber

SS - Specify

⑦: Fiber Length

1 - 1.0m

S - Specify

⑧: Package Dimensions

01 - Ø5.5x35