

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 | | | |
|----------------------------|------|----------------|--------|--------|--------|
| | | 1x2 | | 2x2 | |
| Port Type | - | Type A | Type B | Type A | Type B |
| 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°C | 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. Return Loss | dB | 50 | | | |
| Min. Extinction Ratio | dB | 26, 28 or 30 | | | |
| Min. Cross Talk | dB | 50 | | | |
| Max. Optical Power (CW) | mW | 500 | | | |
| Max. Tensile Load | N | 5 | | | |
| Fiber Type | - | PM Panda Fiber | | | |
| Operating Temperature | °C | -5 to +70 | | | |
| Storage Temperature | °C | -40 to +85 | | | |

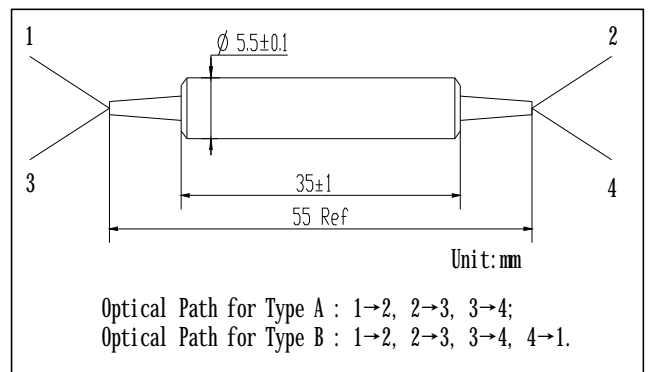
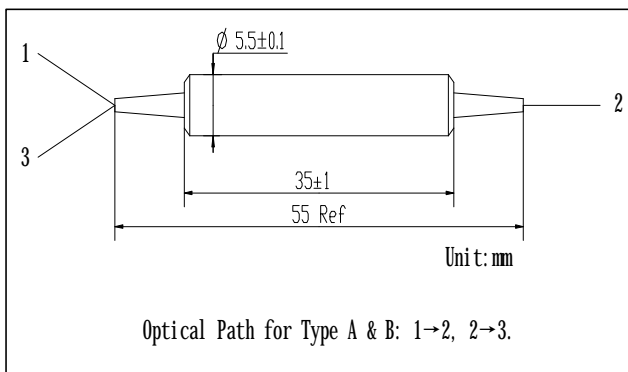
*Above specifications are for device without connector.

*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.

*Axis Alignment: Slow Axis Working, and Fast Axis Blocked.

Package Dimensions



Ordering Information

PM CIR-①①-②③-④④④④-⑤⑤⑤⑤-⑥⑦⑦

①①: Wavelength

31 - 1310nm

55 - 1550nm

SS- Specify

②: Type

A - Type A

B - Type B

③: Port

1 - 1x2

2 - 2x2

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

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

N - None

S - Specify

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

B - 250um Fiber

L - 900um Loose Tube

S - Specify

⑥: Fiber Length

1 - 1.0m

S - Specify

⑦⑦: Grade of Extinction Ratio

26 - 26dB

28 - 28dB

30 - 30dB