

## 4 Ports PM Optical Circulator

### Features

Low insertion loss  
High extinction ratio  
High stability & Reliability

### Applications

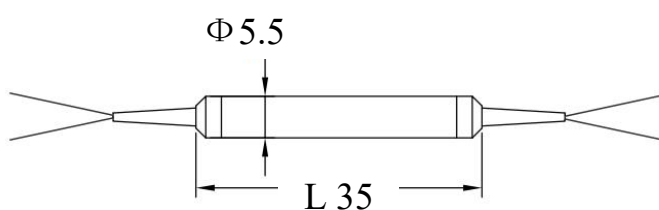
Fiber Amplifier  
Fiber sensor  
Fiber Laser Marking  
Laboratory R&D

| Parameter             | 4 Ports Polarization Maintaining Optical Circulator |        |              |        | Unit |
|-----------------------|-----------------------------------------------------|--------|--------------|--------|------|
|                       | Type A                                              | Type B | Type A       | Type B |      |
| Center wavelength     | 1064                                                |        | 1310 or 1550 |        | nm   |
| Operating bandwidth   | ±5                                                  |        | ±20          |        | nm   |
| Insertion loss@23℃    | ≤4.0                                                | ≤2.3   | ≤1.1         | ≤1.0   | dB   |
| Extinction ratio      | ≥20                                                 |        | ≥20          |        | dB   |
| Isolation @23℃        | ≥45                                                 | ≥25    | ≥40          | ≥22    | dB   |
| Return loss           | ≥50                                                 |        |              |        | dB   |
| Crosstalk             | ≥50                                                 |        |              |        | dB   |
| Handling power        | ≤300                                                |        | ≤300         |        | mW   |
| Fiber type            | PM Fiber                                            |        |              |        | /    |
| Operating temperature | -5 to +70                                           |        |              |        | ℃    |
| Storage temperature   | -40 to +85                                          |        |              |        | ℃    |
| Dimensions            | Φ5.5× L35                                           |        |              |        | mm   |

\* IL is 0.3dB (1310~1550nm) or 0.5dB (1064nm) higher, RL is 5dB lower and ER is 2dB lower for each connector added. The default connector key is aligned to slow axis.

\* The optical path: Type A: 1→2, 2→3, 3→4(Block 4→1), Type B: 1→2, 2→3, 3→4, 4→1

### Mechanical Dimension



### Ordering Information

| specification        | GCPMCIR                    |
|----------------------|----------------------------|
| Package              | 5.5× 35 etc                |
| Connector            | FC/UPC, FC/APC etc.        |
| Fiber Code           | Specify                    |
| Pigtail Type         | 0=250μm, 1=900μm, 4=others |
| Operating Wavelength | 1064, 1550nm etc.          |
| Type                 | A=Type A, B=Type B         |
| Port Number          | 4= 4 Ports                 |