

## Polarization Insensitive Optical Circulator

### Features

Low insertion loss  
High extinction ratio  
High stability & Reliability

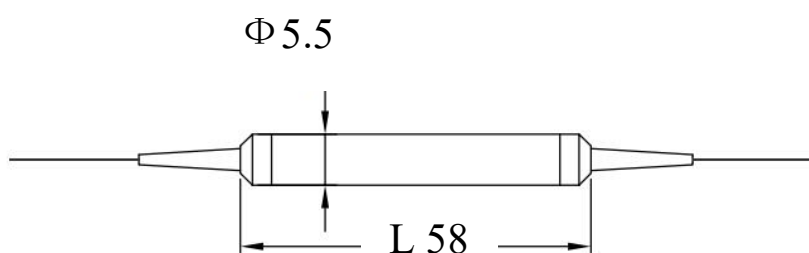
### Applications

Fiber Amplifier  
Fiber sensor  
Fiber Laser Marking  
Laboratory R&D

| Parameter                                  | 4 Ports PICIR   | Unit |
|--------------------------------------------|-----------------|------|
| Operating Wavelength (nm)                  | 1310 or 1550±20 | nm   |
| Typ. Insertion Loss<br>(1→2, 2→3, 3→4)(dB) | ≤0.8            | dB   |
| Max. Insertion Loss<br>(1→2, 2→3, 3→4)(dB) | ≤1.0            | dB   |
| Polarization Dependent Loss (dB)           | ≤0.2            | dB   |
| Polarization Mode Dispersion (ps)          | ≤0.1            | ps   |
| Isolation(2→1, 3→2, 4→3) (dB)              | ≥38             | dB   |
| Crosstalk (dB)                             | ≥50             | dB   |
| Return loss(dB)                            | ≥50             | dB   |
| Power Handling (mW)                        | ≤500            | mW   |
| Fiber Type                                 | SMF-28e XB      | -    |
| Operating Temperature(°C)                  | -5 ~ +70        | °C   |
| Storage Temperature(°C)                    | -40 ~ +85       | °C   |
| Dimensions (mm)                            | Φ5.5×L58        | mm   |

\*IL is 0.3dB (1310~1550nm) higher, RL is 5dB lower for each connector added.

### Mechanical Dimension



### Ordering Information

| specification        | GCPIR                |
|----------------------|----------------------|
| Package Size         | 5.5×58 etc           |
| Connector            | FC/UPC, FC/APC etc   |
| Fiber Code           | Specify              |
| Pigtail Type         | 0=250μm, 1=900μm     |
| Operating Wavelength | 1310nm, or1550nm etc |
| Port                 | 3=3 Ports, 4=4 Ports |