

## 3-Port Polarization-Dependent Free-Space Circulator

(1310, 1480, 1550, 1590nm)

### Specifications

Contact Hengyan Photonics with your custom specification needs.

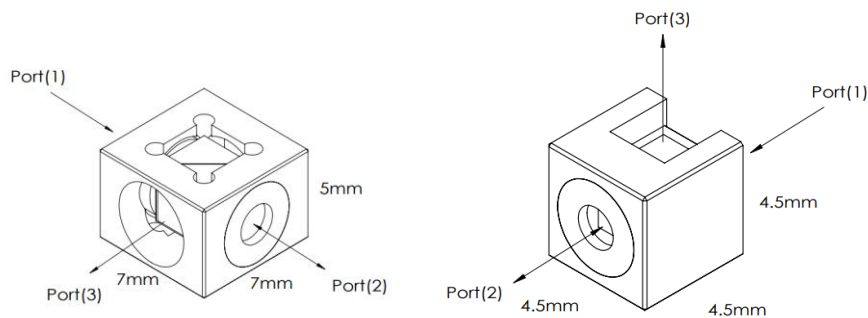
| Parameter                                         |      | Unit              | Value                           |
|---------------------------------------------------|------|-------------------|---------------------------------|
| Center Wavelength                                 |      | nm                | 1310, or 1480, or 1550, or 1590 |
| Operating Wavelength Range                        |      | nm                | ±20                             |
| Transmitting Direction                            |      | -                 | 1→2, 2→3                        |
| Isolation (23℃) (2→1)                             | Typ. | dB                | 35                              |
|                                                   | Min  | dB                | 30                              |
| Insertion Loss (23℃) (1→2, or 2→3)                | Typ. | dB                | 0.3                             |
|                                                   | Max  | dB                | 0.5                             |
| Extinction Ratio                                  | Min  | dB                | 20                              |
| Directivity (1→3)                                 | Min  | dB                | 50                              |
| Optical Power Handling (Transmission/ reflection) | Max  | W/mm <sup>2</sup> | 0.8/0.2                         |
| Operating Temperature                             |      | ℃                 | -5 to 70                        |
| Storage Temperature                               |      | ℃                 | -40 to 85                       |

### Ordering Information

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| FSC | Port     | Type                      | Stage          | Latching Type                                | Wavelength                                        | Clear Aperture                                    | Package Dimension                    |
|-----|----------|---------------------------|----------------|----------------------------------------------|---------------------------------------------------|---------------------------------------------------|--------------------------------------|
| FSC | 3=3-Port | PD=Polarization Dependent | S=Single Stage | N=Non-latched type Garnet (With Magnet Ring) | 13=1310nm<br>14=1480nm<br>15=1550nm<br>159=1590nm | 10=1.0mm<br>15=1.5mm<br>20=2.0mm (Not Package 02) | 01=7.0*7.0*5.0mm<br>02=4.5*4.5*4.5mm |
|     |          |                           |                | L=Latching Type Garnet (Without Magnet Ring) | X=Others                                          | X=Others                                          | X=other                              |

### Package Dimensions



Package: 01

Package: 02