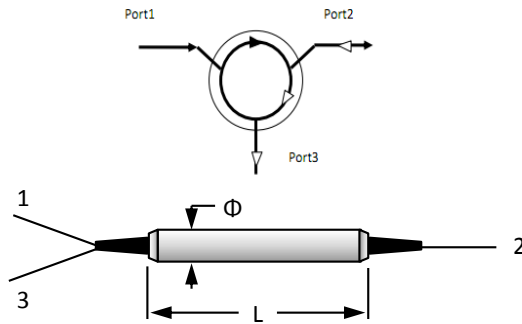


## High Power 3-port Polarization Insensitive Optical Circulator S+C+L Band

The High power 3 port S+C+L Band Polarization Insensitive Optical Fiber Circulator is a fiber optic component built with single mode fiber. It allows light to be transmitted in only one direction while blocking the opposite transmission, its light path is port 1 to port 2, and port 2 to port 3. The fiber circulator is widely used in optical fiber networks and fiber instruments. High Power handling up to 10W is available upon request.



### Features

- Low IL & High Isolation
- High Reliability and Stability
- Optical Path Epoxy-free
- High Power Handling

### Applications

- EDFA
- Fiber Instrument
- DWDM OADM System
- Test & Measurement

### Performance Specification

| Parameter  | Value                    | Unit |
|--|--------------------------|------|
| Center Wavelength ( $\lambda_c$ )                  | S+C+L Band: 1460 to 1620 | nm   |
| Configuration                                      | 1X2, (port 1→2, 2→3)     |      |
| Typ. Insertion Loss ( $\lambda_c$ , port 1→2, 2→3) | 0.9                      | dB   |
| Max. Insertion Loss ( $\lambda_c$ , port 1→2, 2→3) | 1.1                      | dB   |
| Typ. Isolation ( $\lambda_c$ , port 2→1, 3→2)      | 50                       | dB   |
| Min. Isolation ( $\lambda_c$ , port 2→1, 3→2)      | 40                       | dB   |
| Max. PDL   | 0.15                     | dB   |
| Max. PMD   | 0.2                      | ps   |
| Min. Cross Talk (port 1→3)                         | 50                       | dB   |
| Min. Directivity                                   | 50                       | dB   |
| Min. Return Loss                                   | 50                       | dB   |
| Max. Optical Power (Continuous Wave)               | 1, 2, 3, 5, 10           | W    |
| Max. Tensile Load                                  | 5                        | N    |
| Fiber Type   | SMF-28e Fiber            |      |
| Operating Temperature                              | -5 to +70                | °C   |
| Storage Temperature                                | -40 to +85               | °C   |
| Package Dimension                                  | Φ5.5×L50                 | mm   |

### Note

\* Above specifications are for device without connector. Connectors only CW 1W handling power guarantee.

### Ordering Information

#### HPCIR-AAA-BB-C-DD-EE-FF

| AAA              | BB         | C               | DD           | EE        | FF           |
|------------------|------------|-----------------|--------------|-----------|--------------|
| Wavelength       | Port       | Fiber Jacket    | Fiber Length | Connector | Power        |
| SCL - S+C+L Band | 12 - 1 X 2 | B - 250um Bare  | 05 - 0.5m    | NE - None | 01 - 1W      |
| CL - C+L Band    |            | Fiber           | 08 - 0.8m    |           | 02 - 2W      |
| SSS - Specify    |            | L - 900um Loose | 10 - 1.0m    |           | 03 - 3W      |
|                  |            | Tube            | 15 - 1.5m    |           | 05 - 5W      |
|                  |            |                 | SS - Specify |           | 10 - 10W     |
|                  |            |                 |              |           | SS - Specify |