



## 2000nm High Power Optical Circulator

### FEATURES

- High Isolation
- Low Insertion Loss
- Epoxy-Free Optical Path
- High Reliability and Stability
- Low Profile Packaging
- Fiber Optic Amplifiers
- Fiber Optic Instruments
- WDM Systems
- Dispersion Compensation
- Light Routing



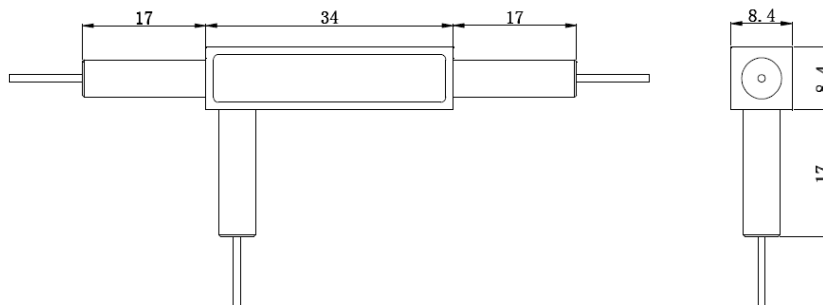
### APPLICATIONS

### SPECIFICATIONS

| Parameter                         | Unit         | Value                        |            |
|-----------------------------------|--------------|------------------------------|------------|
| Center Wavelength ( $\lambda_c$ ) | nm           | 2000                         |            |
| Insertion Loss@23°C               | SMF-28 Fiber | dB                           | $\leq 1.2$ |
|                                   | SM1950 Fiber | dB                           | $\leq 2.1$ |
| Isolation( $\lambda_c \pm 30$ nm) | (Typ.)       | dB                           | 20         |
|                                   | (Min.)       | dB                           | 16         |
| PDL                               | dB           | $\leq 0.2$                   |            |
| Optical Return Loss               | dB           | $\geq 45$                    |            |
| Cross Talk                        | dB           | $\geq 40$                    |            |
| Fiber Type                        | -            | SMF-28 Fiber or SM1950 Fiber |            |
| Fiber Tensile Load                | N            | 5                            |            |
| Maximum Optical Power (CW)        | W            | 1, 2, 3, 5                   |            |
| Operating Temperature             | °C           | 0~50                         |            |
| Storage Temperature               | °C           | -40~85                       |            |

- Note:**
1. Specifications are for device without connectors; Specifications may change without notice.
  2. To add connectors, IL is 0.3dB higher, RL is 5dB lower.
  3. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
  4. Devices for higher optical power or with other type fiber or consigned fiber are also available.

### PACKAGE DIMENSION



### ORDERING INFORMATION

|                   |                       |   |  |                               |   |          |           |          |              |
|-------------------|-----------------------|---|--|-------------------------------|---|----------|-----------|----------|--------------|
| <b>FCIR-</b>      | <b>NNNN</b>           | <b>-3HP</b>                               | <b>N</b>                                   | <b>-</b>                      | <b>(C)</b>  | <b>C</b> | <b>NN</b> | <b>-</b> | <b>CC/CC</b> |
| Center Wavelength | Optical Power         | Fiber Type                                | Fiber Sleeve                               | Fiber Length                  | Connector Type  |          |           |          |              |
| 2000=2000nm       | 1= 1W<br>2=2W<br>5=5W | V= SM1950 Fiber<br>Blank for SMF-28 Fiber | B= 250um bare fiber<br>L= 900um Loose Tube | 10=1.0m<br>15=1.5m<br>20=2.0m | N =Without Connector<br>FC/APC=FC/APC Connector<br>LC/PC =LC/PC Connector |          |           |          |              |