

## 1053nm 3-port Circulator for Pulse Power

### FEATURES

- High Isolation
- Low Insertion Loss
- Epoxy-Free Optical Path
- High Reliability and Stability
- Low Profile Packaging

### APPLICATIONS

- Fiber Optic Amplifiers
- Fiber Optic Instruments
- WDM Systems
- Dispersion Compensation
- Light Routing

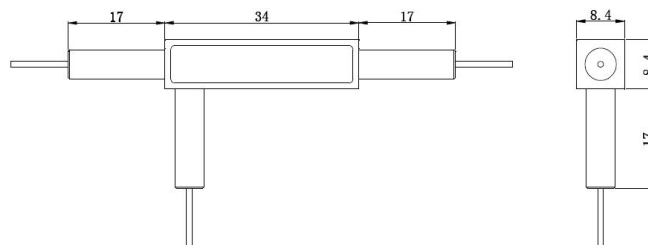


### SPECIFICATIONS

| Parameter                  | Unit   | Value   |
|----------------------------|--------|---|
| Working Wavelength         | nm     | 1053+/-5  |
| Insertion Loss@23°C        | (Typ.) | 2.4   |
|                            | (Max.) | 3.2   |
| Isolation                  | (Typ.) | 25  |
|                            | (Min.) | 20  |
| PDL                        | dB     | ≤0.2  |
| Optical Return Loss        | dB     | ≥50   |
| Cross Talk                 | dB     | ≥45   |
| Fiber Type                 | -      | HI1060 Fiber or 10/125um SC Fiber (E)<br>10/125um DC Fiber (O), 15/130um DC Fiber (W)<br>20/130um DC Fiber (Q) or 25/250um DC Fiber (R) |
| Fiber Tensile Load         | N      | 5   |
| Max. Average Optical Power | mW     | 200   |
| Max. Peak Power for Pulse  | kW     | 0.1, 1, 2, 3, 5, 10, 15, 20   |
| Operating Temperature      | °C     | 0~50  |
| Storage Temperature        | °C     | -10~65  |

- Note:**
1. Specifications are for device without connectors; Specifications may change without notice.
  2. To add connectors, IL is 0.5dB 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; Devices can only work in the core of Double Cladding (DC) Fiber, Cladding Power must be stripped before connecting the device.

### PACKAGE DIMENSION



### ORDERING INFORMATION (PN)

|                          |                      |  |   |  |  |  |            |          |           |          |               |
|--------------------------|----------------------|--|---|--|--|--|------------|----------|-----------|----------|---------------|
| <b>FCIR-</b>             | <b>NNNN</b>          | <b>-3H</b>                             | <b>NN</b>   | <b>P</b>   | <b>NN</b>                                | <b>-</b>   | <b>(C)</b> | <b>C</b> | <b>NN</b> | <b>-</b> | <b>CC/CCC</b> |
| <i>Center Wavelength</i> | <i>Average Power</i> | <i>Peak Power</i>                      | <i>Fiber Type</i>   | <i>Fiber Sleeve</i>  | <i>Fiber Length</i>                      | <i>Connector Type</i>  |            |          |           |          |               |
| 1053=1053nm              | 02=200mW             | 01=100W<br>1=1kW<br>10=10kW<br>20=20kW | E=10/125 SC Fiber<br>Q=20/130 DC Fiber<br>R=25/250 DC Fiber<br>Blank for HI1060 Fiber | B= Bare fiber<br>L= Loose Tube<br>2= 2mm Cable<br>3= 3mm Cable | 05=0.5m<br>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<br>SC/UPC=SC/UPC Connector |            |          |           |          |               |