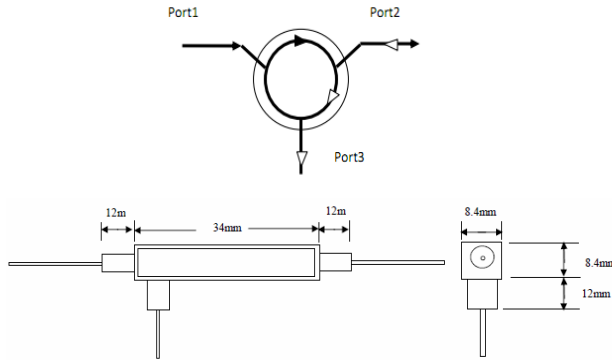


3-port Polarization Insensitive Optical Circulator 2000nm

The 3 port 2000nm (2 micron, 2μm) Polarization Insensitive Optical 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 optic circulator is widely used in 2μm eye safe optical systems. High Power handling is available upon request.



Features

- Low IL & High Isolation
- High Reliability and Stability
- Optical Path Epoxy-free
- High Power available on request

Applications

- Fiber Laser
- Fiber Instrument
- Lab & Research

Performance Specification

| Parameter | Value | Unit |
|---|----------------------|------|
| Center Wavelength (λc) | 2000 or customized | nm |
| Bandwidth | ±30 | nm |
| Configuration | 1X2, (port 1→2, 2→3) | |
| Max. Insertion Loss (λc, port 1→2, 2→3) | 1.2 | dB |
| Min. Isolation (λc, port 2→1, 3→2) | 16 | dB |
| Max. PDL | 0.2 | dB |
| Min. Cross Talk (port 1→3) | 40 | dB |
| Min. Return Loss | 50 | dB |
| Max. Optical Power (Continuous Wave) | 0.5, 1, or 2 | W |
| Max. Tensile Load | 5 | N |
| Fiber Type | Corning SMF-28 | |
| Operating Temperature | -5 to 70 | °C |
| Storage Temperature | -40 to +85 | °C |
| Package Dimension | L34×W8.4×H8.4 | mm |

Note

* Above specifications are for device without connector. For devices with connectors, IL will be 0.3dB higher, and RL will be 5dB lower.

Ordering Information

PICIR-AAAA-BB-C-DD-EE-FF

| AAAA | BB | C | DD | EE | FF |
|----------------|------------|-----------------|--------------|--------------|--------------|
| Wavelength | Port | Fiber Jacket | Fiber Length | Connector | Power |
| 2000 - 2000nm | 12 - 1 X 2 | B - 250um Bare | 05 - 0.5m | NE - None | Z5 - 0.5W |
| SSSS - Specify | | Tube | 08 - 0.8m | FA - FC/APC | 01 - 1W |
| | | L - 900um Loose | 10 - 1.0m | FP - FC/PC | 02 - 2W |
| | | Tube | 15 - 1.5m | SA - SC/APC | SS - Specify |
| | | | SS - Specify | SP - SC/PC | |
| | | | | LA - LC/APC | |
| | | | | LP - LC/PC | |
| | | | | SS - Specify | |