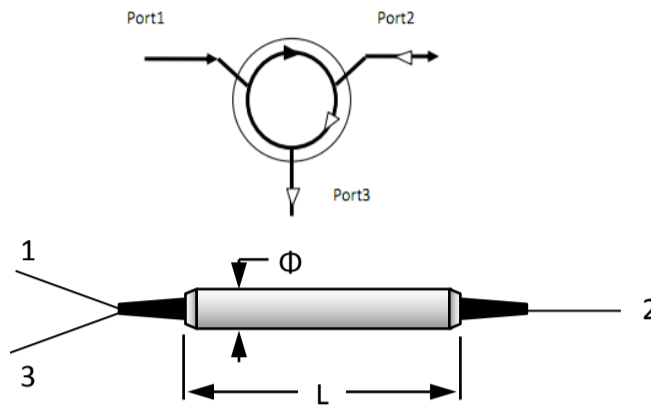


3-port Broadband Optical Circulator 1650±40nm

The 3 port 1650±40nm Broadband 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 circulator is widely used in optical fiber networks and fiber instruments. High Power handling is available upon request.



Features

- Low IL & High Isolation
- Broadband Operating
- Optical Path Epoxy-free
- High Power available on request

Applications

- OTDR
- Fiber Instrument
- Test & Measurement

Performance Specification

| Parameter | Value | Unit |
|--|-------------------------------------|------|
| Center Wavelength (λ_c) | 1650 | nm |
| Bandwidth | ±40 | nm |
| Configuration | 1X2, (port 1→2, 2→3) | |
| Typ. Insertion Loss (λ_c , port 1→2, 2→3) | 0.9 | dB |
| Max. Insertion Loss (λ_c , port 1→2, 2→3) | 1.5 | dB |
| Typ. Isolation (λ_c , port 2→1, 3→2) | 30 | dB |
| Min. Isolation (λ_c , port 2→1, 3→2) | 28 | dB |
| Max. PDL | 0.3 | dB |
| Min. Cross Talk (port 1→3) | 50 | dB |
| Min. Directivity | 50 | dB |
| Min. Return Loss | 50 | dB |
| Max. Optical Power (Continuous Wave) | 300 (higher available upon request) | mW |
| Max. Tensile Load | 5 | N |
| Fiber Type | Corning SMF-28e or G657A2 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. For devices with connectors, IL will be 0.3dB higher, and RL will be 5dB lower.

Ordering Information

BPICIR-AAAA-BB-C-DD-EE

| AAAA | BB | C | DD | EE |
|----------------|------------|-----------------|--------------|--------------|
| Wavelength | Port | Fiber Jacket | Fiber Length | Connector |
| 1650 - 1650nm | 12 - 1 X 2 | B - 250um Bare | 05 - 0.5m | NE - None |
| SSSS - Specify | | Tube | 08 - 0.8m | FA - FC/APC |
| | | L - 900um Loose | 10 - 1.0m | FP - FC/PC |
| | | Tube | 15 - 1.5m | SA - SC/APC |
| | | | SS - Specify | SP - SC/PC |
| | | | | LA - LC/APC |
| | | | | LP - LC/PC |
| | | | | SS - Specify |