

## Introduction

Rayzer's Hybrid WDM+ISOLATOR+WDM combination packaged component, has high performance optical index, with low insertion loss, high return loss, high channel isolation, high extinction ratio, and high reliability and stability.



## Specification

| Parameters                   |       | Unit | Values               |       |
|------------------------------|-------|------|----------------------|-------|
|                              |       |      | Min                  | Max   |
| Signal channel wavelength    |       | nm   | 1528                 | 1569  |
| Pump channel wavelength      |       | nm   | 965                  | 995   |
| Insertion loss               | 1→3   | dB   |                      | ≤0.5  |
|                              | 1→2   |      |                      | ≤1.0  |
|                              | 4→2   |      |                      | ≤0.5  |
| polarization dependent loss  | 1→3   | dB   |                      | ≤0.1  |
|                              | 1→2   |      |                      | ≤0.1  |
|                              | 4→2   |      |                      | ≤0.1  |
| Wavelength dependent loss    | 1→3   | dB   |                      | N/A   |
|                              | 1→2   |      |                      | ≤0.2  |
|                              | 4→2   |      |                      | N/A   |
| Temperature dependent loss   | 1→3   | dB   |                      | ≤0.15 |
|                              | 1→2   |      |                      | ≤0.2  |
|                              | 4→2   |      |                      | ≤0.15 |
| return loss                  |       | dB   | ≥50                  |       |
| isolation                    | 2→1   | dB   |                      | ≥38   |
|                              | 1→3   |      |                      |       |
|                              | 1→2   |      |                      | 30    |
|                              | 4→2   |      |                      | 21    |
| polarization mode dispersion |       | dB   |                      | 0.05  |
| Tail long degrees            |       | dB   | 0.9                  |       |
| Fiber Type                   | Port1 | ps   | OFS980-16/Hi1060/28E |       |
|                              | Port2 |      | OFS 980-16           |       |
|                              | Port3 |      | OFS 980-16           |       |
|                              | Port4 |      | OFS 980-16           |       |
| Fiber Jacket                 |       | m    | Bare Fiber           |       |
| Fiber color                  | Port1 | --   | Black                |       |
|                              | Port2 |      | Black                |       |
|                              | Port3 |      | Natural              |       |
|                              | Port4 |      | Natural              |       |
| connectors                   |       | --   | None                 |       |
| operating temperature        |       | ℃    | 25                   |       |
| Storage temperature          |       | ℃    | 30                   |       |
| Dimension                    |       | mm   | 3.0x25               |       |