



PRODUCT INFORMATION SHEET

Isolator/Filter Wavelength Division Multiplexer Hybrid 980/1550nm (IWDM Series)

The 980/1550 IWDM series combines Filter WDM and isolator into a compact package to offer cost saving solution. This device is ideal for fiber amplifier application to combine signal and pump wavelengths with very stable 1550nm signal isolation. It is designed and manufactured to Telcordia standard and is capable of high power handling.

Specifications

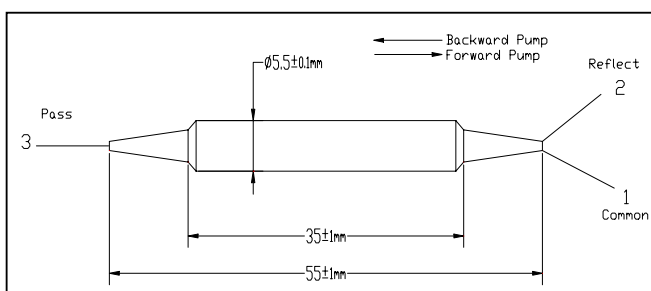
| Parameters | | Unit | Single Stage | Dual Stage |
|-----------------------|--|------|-------------------|------------|
| Pass Band | Signal Wavelength Range | nm | 1530-1580 | |
| | Typ. Insertion Loss | dB | 0.6 | 0.8 |
| | Max. Insertion Loss | dB | 0.8 | 1.0 |
| | Typ. Peak Isolation of the Signal Channel | dB | 40 | 55 |
| | Min. Signal Isolation at room temp. (1550±15 for single Stage, 1550±30 for Dual Stage) | dB | 30 | 45 |
| | Max. PDL | dB | 0.1 | 0.15 |
| | Max. PMD | ps | 0.25 ¹ | 0.05 |
| Reflection Band | Wavelength Range | nm | 950-1010 | |
| | Typ. Insertion Loss@C→R | dB | 0.3 | |
| | Max. insertion Loss@C→R | dB | 0.5 | |
| | Max. PDL | dB | 0.1 | |
| Min. Return Loss | | dB | 50 | |
| Thermal Stability | | dB/ | ≤0.005 | |
| Max. Optical Power | | mW | 300 | |
| Max. Tensile Load | | N | 5 | |
| Operating Temperature | | | -5 to +70 | |
| Storage Temperature | | | -40 to +85 | |

Low PMD version is available. PMD<0.05ps

*Above specifications are for device without connector.

*For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower.

Package Dimensions



Ordering Information

IWDM-98- - - - -

| Pump Type | Stage Type | PMD | Connector Type | Fiber Type | Fiber Length |
|-------------------|------------------|--------------------------|----------------|-------------------------------------|--------------|
| 1 - Forward Pump | 1 - Single Stage | 1 - 0.05ps max. | N - None | B - 250um Bare Fiber | Q - 0.75 m |
| 2 - Backward Pump | 2 - Dual Stage | 2 - Refer to above spec. | S - Specify | L - 900um loose tube S - Specify | S - Specify |

* SMF-28 is used for Pass Port and HI 1060 is used for Reflect and Common Port.

Zewda Technology Co., Ltd
R.803, New Victory House, 93 Wing Lok Street,
Sheung Wan, Hong kong
Tel/Fax: +852 3542 7629
Email: sales@zewda.com

Shenzhen Zewda Technology Co., Ltd
R.7a, Yitao Ge, Yiyuan Bldg., Nanshan, Shenzhen, China
Tel/Fax: +86 755 26075631
Email: info@zewda.com
Website: <http://www.zewda.com>