

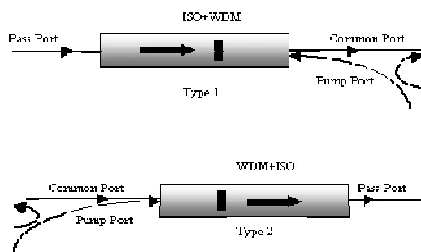
## Isolator + WDM Hybrid Device

|                                              |                                                                                    |
|----------------------------------------------|------------------------------------------------------------------------------------|
| <b>Features</b>                              |  |
| <b>Wide Operating Wavelength</b>             |                                                                                    |
| <b>Low IL &amp; PDL &amp; High Isolation</b> |                                                                                    |
| <b>High Stability and Reliability</b>        |                                                                                    |
| <b>Application</b>                           |                                                                                    |
| <b>Fiber Amplifier</b>                       |                                                                                    |
| <b>Fiber optic Instrument</b>                |                                                                                    |

### Specifications

| Parameter                         | Type | 980/1550 or 1480/1550 nM                                                         |            |
|-----------------------------------|------|----------------------------------------------------------------------------------|------------|
|                                   |      | Single Stage                                                                     | Dual Stage |
| Isolator Stage                    |      | Single Stage                                                                     | Dual Stage |
| Isolation (dB)                    |      | ≥21                                                                              | ≥36        |
| Insertion loss (Signal) (dB)      |      | ≤0.9                                                                             | ≤1.0       |
| PMD (ps)                          |      | ≤0.25                                                                            | ≤0.05      |
| Signal wavelength range (nm)      |      | 1528~1565                                                                        |            |
| Pump wavelength range (nm)        |      | 965~995 or 1430-1490                                                             |            |
| Insertion loss (Pump) (dB)        |      | ≤0.6                                                                             |            |
| Transmitted Isolation (Pump) (dB) |      | ≥30                                                                              |            |
| Reflected Isolation (Signal) (dB) |      | ≥15                                                                              |            |
| PDL (dB)                          |      | ≤0.10                                                                            |            |
| WDL (dB)                          |      | ≤0.3                                                                             |            |
| Directivity (dB)                  |      | ≥55                                                                              |            |
| Return loss (dB)                  |      | ≥50                                                                              |            |
| Thermal stability (dB/ °C)        |      | ≤0.005                                                                           |            |
| Power handling (mW)               |      | ≤500                                                                             |            |
| Fiber Type:                       |      | G657A1 or G657A2, G657B3(ZBL) For Pass port,<br>Hi1060 R10mm For Com & Pump port |            |
| Operating temperature (°C)        |      | 0 ~ +70                                                                          |            |
| Storage temperature (°C)          |      | -40 ~ +85                                                                        |            |
| Package dimension (mm)            |      | Φ5.5× L38 (Standard Size)<br>Φ3.0 × L25 (Mini Size)                              |            |

### Package Dimensions



### Ordering Information

| IWDM | Wavelength               | Stage                             | Type                    | Pigtail Type            | Fiber Type                                   | Length                  | Connector                                                               | Package SIZE         |
|------|--------------------------|-----------------------------------|-------------------------|-------------------------|----------------------------------------------|-------------------------|-------------------------------------------------------------------------|----------------------|
|      | T1550/R980<br>T1550R1480 | S= Single stage<br>D = Dual Stage | 1=Forward<br>2=Backward | 0=250um bare fiber<br>1 | 1=G657A1<br>2=G657A2<br>3=G657B3<br>4=Hi1060 | 6=0.65<br>8=0.8<br>1=1m | NE=None<br>FC=FC/UPC<br>FA=FC/APC<br>LC=LC/UPC<br>LA=LC/APC<br>XX=Other | 5=5.5x38<br>3=3.0x25 |