

## Wavelength Division/Isolation Hybrid

**Features:**

- 1.High isolation
- 2.Low insertion loss
- 3.High return loss
- 4.Low polarization
- 5.Epoxy free in optical path

**Application:**

- 1.Fiber Amplifier
- 2.Fiber CATV Net
- 3.Fiber Testing System
- 4.Fiber LAN System
- 5.Fiber Communication

| Parameter                                                  |             |    | 980/1550nm                                    |            | 1480/1550nm            |                 |
|------------------------------------------------------------|-------------|----|-----------------------------------------------|------------|------------------------|-----------------|
|                                                            |             |    | Single Stage                                  | Dual Stage | Single Stage           | Dual Stage      |
| Operating Wavelength                                       | C Band      | nm | 1528~1564                                     |            | 1528~1564              |                 |
|                                                            | L Band      | nm | 1570~1605                                     |            | 1528~1564              |                 |
| Pump Port Operating Wavelength Isolation(@23° C,all sop)   |             | dB | 965~1000                                      |            | 1450~1490              |                 |
|                                                            |             | dB | >31                                           |            | >45                    |                 |
| Wavelength Sensitive Loss Isolation(1to2or2to1@1Pump Port) |             | db | 0.25                                          |            | 0.3                    |                 |
|                                                            |             | db | >30                                           |            | >25                    |                 |
| Insertion Loss(0to +70°C allsop)                           | Pump Port   | db | 0.6                                           |            | 0.6(Typical value 0.4) |                 |
|                                                            | Signal Port | db | 1.2                                           | 1.3        | 0.8(Typical0.6)        | 1.0(Typical0.8) |
| PDL                                                        |             |    | <0.1                                          |            | <0.2                   |                 |
| PMD                                                        |             |    | ≤0.25(0.05)                                   |            | ≤0.05                  |                 |
| Isolation(1to3@1Signal Port)                               |             | db | >12                                           |            |                        |                 |
| Return Loss                                                |             |    | >50                                           |            |                        |                 |
| Directivity                                                |             |    | >55                                           |            |                        |                 |
| Max Power                                                  |             | mW | 300                                           |            |                        |                 |
| Operating Temperature                                      |             |    | 0~70                                          |            |                        |                 |
| Storage temperature                                        |             | °C | -40~+85                                       |            |                        |                 |
| Fiber Type                                                 |             | °C | Corning Flexcore 1060 Communal Port/Pump Port |            |                        |                 |
|                                                            |             |    | CorningSMF-28Fiber Signal port/Tap Port       |            |                        |                 |
| Packaging Dimension                                        |             | mm | 5.5XL38 or Mini 3.0XL26                       |            |                        |                 |

Order Information: HIWDM-①①-②-③-④-⑤-⑥-⑦

|                        |                |                 |                    |               |
|------------------------|----------------|-----------------|--------------------|---------------|
| ①①Operating Wavelength | ②Grade         | ③Type           | ④Fiber Type        | ⑤Fiber Length |
| 95=980/1550nm          | S=Single Stage | F=Forward Type  | 1=170um PM         | 1=1M          |
| 59=1550/980nm          | U=Dual Stage   | B=Backward Type | 2=250um PM         | 2=2M          |
| 35=1310/1550nm         |                |                 | 3=250nm Bare Fiber |               |
| 53=1550/1310nm         |                |                 | 4=900um Loose Tube |               |
| 45=1480/1550nm         |                |                 | 5=3mm Cable        |               |
| 54=1550/1480nm         |                |                 |                    |               |

**⑥Packaging Dimension**

A=A Size

B=B Size

S=Customer Demand

**⑦Connector**

0=None

1=FC/APC

2=FC/PC

3=SC/APC

4=SC/PC

5=ST

6=LC