

1x2(2x2) 80µm Fiber Single Mode Narrowband Splitter



Product Features

- Very Compact Size
- Low Insertion Loss
- Low PDL
- High Directivity
- Stable and Reliable

Product Applications

- Optical Communication System
- Optical Testing System
- Optical Fiber Sensor
- Optical Power Distributor

| Specifications | | Splitting Ratio: 50:50 | |
|-----------------------|---------|------------------------|-----------------------------|
| Parameter | Unit | Premium | A grade |
| Port Configuration | | 1x2 or 2x2 | |
| Bandwidth | nm | ±20 | |
| Insertion Loss | Max. dB | 3.5 | 3.6 |
| Excess Loss | Typ. dB | 0.1 | 0.15 |
| Uniformity | Max. dB | 0.6 | 1.0 |
| PDL | Max. dB | 0.05 | 0.1 |
| Return Loss* | Min. dB | 55 | 50 |
| Operating power | Max. W | 5 | |
| Operating Temperature | °C | -40 to +85 | |
| Storage Temperature | °C | -50 to +85 | |
| Package Type | mm | S2 | Ø3x25.4: for bare fiber |
| | | S4 | Ø3x35: for 0.9mm loose tube |

*Test at central wavelength only. There would be an unused termination port around 20cm for 1x2 version.

Ordering Information

| S | N | S | | | | | | | | | |
|---|----------------|-----------------|------------------------|--------------|---|--|--|-----------|--|--|--|
| Wavelength | Structure | Splitting Ratio | Grade | Package | Fiber Type | Pigtail | Fiber Length | Connector | | | |
| 4=1550nm 7=1310nm 8=1064nm R=1030nm 9=980nm A=850nm S=Specify | 1=1x2 2=2x2 | 50=50:50 | P=Premium A=A grade | 1=S2 3=S4 | T=80/165µm G652 core diameter 8µm Y=80/165µm G652 core diameter 6µm D=80/165µm 980-20 | F=165µm bare fiber M=0.9mm loose tube | 0=0.5m 1=0.75m 2=1.0m 3=1.5m 4=2.0m S=Specify | 0=None | | | |

Note: 1. Central Wavelength can be customized for different applications.
2. All specifications are before connectors and are subject to change without notice.
3. All data are measured at central wavelength at room temperature.