

1x2(2x2) Single Mode Dual-Window Broadband Splitter



Product Features

- Low PDL
- Low Insertion Loss
- 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 | 1310±40 and 1550±40 | |
| Insertion Loss | Max. dB | 3.6 | 3.9 |
| Excess Loss | Typ. dB | 0.07 | 0.1 |
| Uniformity | Max. dB | 0.8 | 1.2 |
| PDL | Max. dB | 0.15 | 0.20 |
| Return Loss* | Min. dB | 50 | 45 |
| Operating power | Max. W | 5 | |
| Operating Temperature | °C | -40 to +85 | |
| Storage Temperature | °C | -50 to +85 | |
| Package Type | mm | S6 | Ø3x54: for bare fiber |
| | | S8 | Ø3x70: for 0.9mm loose tube |
| | | M1 | 9x16x90: for 0.9mm loose tube or 2mm cable or 3mm cable |

* >60dB on request for 1x2 structure.

Test at central wavelength only.

Splitting Ratio & Insertion Loss Conversion Table

| Splitting Ratio | Maximum Insertion Loss (dB) | | | |
|-----------------|-----------------------------|---------------|---------------|---------------|
| | Premium | | A grade | |
| | Output Port 1 | Output Port 2 | Output Port 1 | Output Port 2 |
| 50:50 | 3.6 | 3.6 | 3.9 | 3.9 |
| 60:40 | 2.7 | 4.7 | 2.9 | 5.0 |
| 70:30 | 1.9 | 6.0 | 2.1 | 6.4 |
| 80:20 | 1.2 | 7.9 | 1.4 | 8.5 |
| 90:10 | 0.6 | 11.3 | 0.8 | 12.7 |
| 95:5 | 0.4 | 15.2 | 0.5 | 18.9 |
| 98:2 | 0.3 | 19.8 | 0.4 | 21 |
| 99:1 | 0.3 | 23.5 | 0.4 | 24 |

Ordering Information

| D | B | S | | | | | | | | | |
|---------------|----------------|---|------------------------|----------------------|------------|--|--|--|--|--|--|
| Wavelength | Structure | Splitting Ratio | Grade | Package | Fiber Type | Pigtail | Fiber Length | Connector | | | |
| 0=1310&1550nm | 1=1x2 2=2x2 | 99=99:1 98=98:2 95=95:5 90=90:10 80=80:20 70=70:30 60=60:40 50=50:50 | P=Premium A=A grade | 5=S6 7=S8 D=M1 | 1=SMF-28e | S=250um bare fiber M=0.9mm loose tube L=3mm cable R=2mm cable | 0=0.5m 1=0.75m 2=1.0m S=Specify | 0=None 1=FC/PC 2=FC/APC 3=FC/APC 4=SC/PC 5=SC/APC 6=ST 7=FC/UPC 8=SC/UPC 9=MU A=LQ/PC B=SC/PC C=LQ/UPC D=LQ/APC | | | |

Note: 1. Central Wavelength can be customized for different applications.
2. All specifications are before connectors and are subject to change without notice.