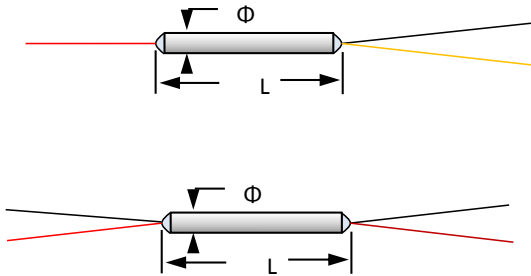


## 1×2, 2×2 SM Fused Coupler 930 940 950 nm

The 930 940 950 nm 1×2, 2×2 Single Mode Fused Coupler is built by using fused biconical taper (FBT) technology. It can be used to split the input signal at various ratios with low insertion loss.



### Features

- Low Excess Loss
- High Reliability & Stability
- Various Coupling Ratio

### Applications

- Instrument
- Fiber Sensor
- Fiber Amplifier
- Lab & Research

### Performance Specification

| Parameter              | Value                                       | Unit         |
|------------------------|---------------------------------------------|--------------|
| Configuration          | 1X2, 2X2                                    |              |
| Center Wavelength      | 930, 940, 950 or customized                 | nm           |
| Bandwidth              | ±10                                         | nm           |
| Max. Excess Loss       | 0.35                                        | dB           |
| Max. Insertion Loss    | 50/50                                       | 3.8/3.8 dB   |
|                        | 40/60                                       | 5.0/3.1 dB   |
|                        | 30/70                                       | 6.4/2.3 dB   |
|                        | 20/80                                       | 8.3/1.6 dB   |
|                        | 10/90                                       | 11.5/1.05 dB |
|                        | 5/95                                        | 14.6/0.8 dB  |
|                        | 3/97                                        | 17.0/0.75 dB |
|                        | 2/98                                        | 18.8/0.7 dB  |
|                        | 1/99                                        | 22.5/0.65 dB |
| Max. PDL               | 0.15                                        | dB           |
| Min. Directivity       | 55                                          | dB           |
| Min. Return Loss       | 50                                          | dB           |
| Max. Thermal Stability | 0.002                                       | dB/°C        |
| Max. Tensile Load      | 5                                           | N            |
| Fiber Type             | HI 780, OFS980 Fiber, or HI 1060 flex fiber |              |
| Operating Temperature  | -40 to +80                                  | °C           |
| Storage Temperature    | -50 to +85                                  | °C           |
| Package Dimension      | Φ3.0×L56 or others                          | mm           |

### Note

\* Above specifications are for device without connectors.  
\* Specs subject to change without notice.

### Ordering Information

#### SMSC-AAA-BB-CC-DD-E-FF-GG

| AAA           | BB           | CC             | DD                | E               | FF           | GG           |
|---------------|--------------|----------------|-------------------|-----------------|--------------|--------------|
| Wavelength    | Port         | Coupling Ratio | Fiber Type        | Fiber Jacket    | Fiber Length | Connector    |
| 930 - 930nm   | 12 - 1X2     | 01 - 01/99     | O9 - OFS980 Fiber | B - 250um Bare  | 05 - 0.5m    | NE - None    |
| 940 - 940nm   | 22 - 2X2     | 02 - 02/98     | H6 - HI 1060 flex | Tube            | 08 - 0.8m    | FA - FC/APC  |
| 950 - 950nm   | SS - Specify | 04 - 04/96     | H7 - HI 780 fiber | L - 900um Loose | 10 - 1.0m    | FP - FC/PC   |
| SSS - Specify |              | 05 - 05/95     | SS - Specify      | Tube            | 15 - 1.5m    | SA - SC/APC  |
|               |              | 10 - 10/90     |                   | C - 3.0mm Cable | SS - Specify | SP - SC/PC   |
|               |              | 20 - 20/80     |                   |                 |              | LA - LC/APC  |
|               |              | 30 - 30/70     |                   |                 |              | LP - LC/PC   |
|               |              | 50 - 50/50     |                   |                 |              | SS - Specify |
|               |              | SS - Specify   |                   |                 |              |              |