

## 1x2 (2x2) Splitter

### Features

- Low insertion loss
- Low polarization sensitivity
- Excellent environmental reliability

### Applications

- Fiber optical communication system
- LAN
- CATV
- Fiber sensor
- Measure instruments



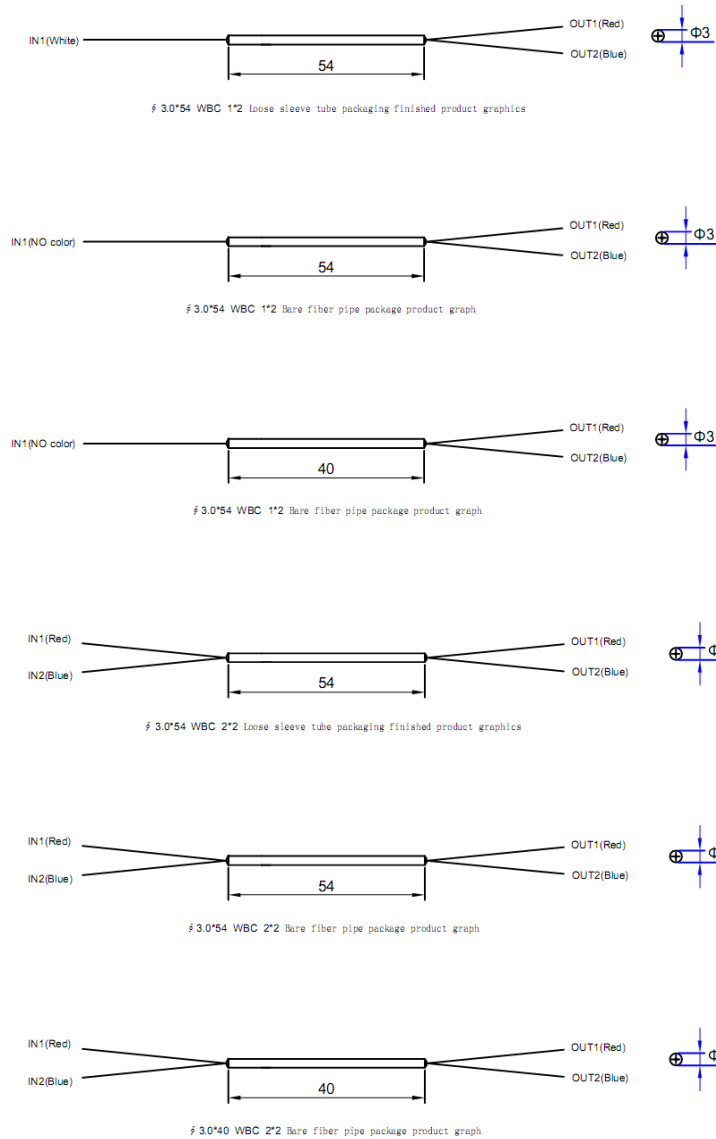
### Specifications

|                          |                          |                             |           |                |               |           |                |                       |           |  |
|--------------------------|--------------------------|-----------------------------|-----------|----------------|---------------|-----------|----------------|-----------------------|-----------|--|
| Operating Wavelength(nm) |                          | 1310 or 1550                |           |                | 1310 and 1550 |           |                | 1310 and1490 and 1550 |           |  |
| Bandwidth(nm)            |                          | 1310±40 、 1490±20 、 1550±40 |           |                |               |           |                |                       |           |  |
| Excess Loss(dB)          |                          | ≤0.1                        |           |                |               |           |                |                       |           |  |
| Grade Coupling Ratio     | Max. Insertion Loss (dB) |                             |           |                |               |           |                |                       |           |  |
|                          | WBC-1X2(2X2)-S           |                             |           | WBC-1X2(2X2)-D |               |           | WBC-1X2-(2X2)T |                       |           |  |
|                          | U                        | P                           | A         | U              | P             | A         | U              | P                     | A         |  |
| 50/50                    | 3.3                      | 3.4                         | 3.5       | 3.4            | 3.5           | 3.6       | 3.5            | 3.6                   | 3.7       |  |
| 40/60                    | 4.2/2.4                  | 4.3/2.5                     | 4.4/2.6   | 4.3/2.7        | 4.4/2.8       | 4.5/2.9   | 4.6/2.7        | 4.6/2.7               | 4.6/2.7   |  |
| 30/70                    | 5.5/1.75                 | 5.6/1.8                     | 5.7/1.8   | 5.6/1.8        | 5.7/1.9       | 5.8/2.0   | 5.7/1.9        | 5.8/2.0               | 5.9/2.1   |  |
| 20/80                    | 7.5/1.2                  | 7.6/1.3                     | 7.7/1.4   | 7.6/1.3        | 7.7/1.4       | 7.8/1.5   | 7.7/1.4        | 7.8/1.5               | 7.9/1.6   |  |
| 10/90                    | 10.7/0.60                | 10.8/0.65                   | 10.9/0.70 | 10.8/0.65      | 10.9/0.70     | 11.0/0.75 | 10.9/0.70      | 11.0/0.75             | 11.1/0.8  |  |
| 5/95                     | 14.6/0.4                 | 14.7/0.45                   | 14.8/0.5  | 14.7/0.45      | 14.8/0.5      | 14.9/0.55 | 14.8/0.5       | 14.9/0.55             | 15.00/0.6 |  |
| 3/97                     | 17.5/0.3                 | 17.6/0.35                   | 17.7/0.4  | 17.6/0.35      | 17.7/0.4      | 17.8/0.45 | 17.7/0.4       | 17.8/0.45             | 17.9/0.5  |  |
| 2/98                     | 18.5/0.25                | 18.6/0.30                   | 18.7/0.35 | 18.60/0.30     | 18.70/0.35    | 18.8/0.40 | 18.7/0.35      | 18.8/0.40             | 18.9/0.45 |  |
| 1/99                     | 21.5/0.20                | 21.6/0.25                   | 21.7/0.30 | 21.6/0.20      | 21.7/0.25     | 21.8/0.30 | 21.7/0.25      | 21.8/0.30             | 21.9/0.35 |  |
| PD L(dB)                 |                          | ≤0.1                        |           |                |               |           |                |                       |           |  |
| Directivity(dB)          |                          | ≥50                         |           |                |               |           |                |                       |           |  |
| Operation temperature(℃) |                          | 250μm bare fiber            |           |                |               |           | Loose tube     |                       |           |  |
|                          |                          | -40 to +85                  |           |                |               |           | -20 to +70     |                       |           |  |

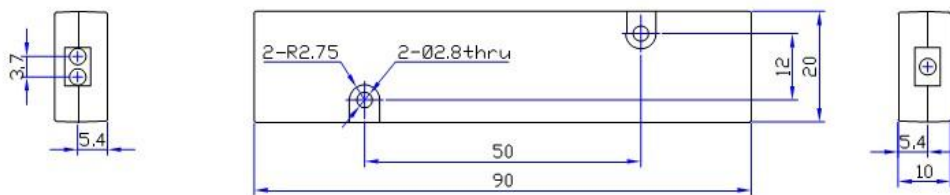
Note : I/L not include connector loss. ( 0.2dB/connector)

## Dimension

end of optical divide ratio of small end is marked with a blue, output end of optical divide ratio is marked as red large.



90×20×10 mm



## Ordering Information: WBC—1X2(2X2)—A—B—C—D—E—F—G—H—I

| A               | B         | C                | D               | E              | F          | G              | H            | I           |
|-----------------|-----------|------------------|-----------------|----------------|------------|----------------|--------------|-------------|
| Mode            | Grade     | Wavelength       | Package Spec    | Coupling Ratio | Fiber Type | Fiber Diameter | Fiber Length | Connector   |
| S:Single window | U:GradeU  | 13: 1310nm       | 1Φ3mm×40mm      | 1/99           | 9: 9/125   | 25:250um       | 05:0.5m      | OO:None     |
| D: Dual window  | P:Grade P | 14: 1490nm       | 2Φ3mm×54mm      | 40/60          | X: Others  | 90:900um       | 10:1.0m      | FP: FC/PC   |
| T: Three window | A:Grade A | 15: 1550nm       | 3 : 90×20×10 mm | 50/50          |            | 20:2.0mm       | 15:1.5m      | FA: FC/APC  |
|                 | X:Others  | 13/15:           | X: Others       |                |            | 30: 3.0mm      | X:Others     | SP: SC/PC   |
|                 |           | 1310/1550nm      |                 | .....          |            | X: Others      |              | SA: SC/APC  |
|                 |           | 13/14/15         |                 |                |            |                |              | STP: ST/PC  |
|                 |           | 1310/1490/1550nm |                 |                |            |                |              | STA: ST/APC |
|                 |           | X:Others         |                 |                |            |                |              | LP: LC/PC   |
|                 |           |                  |                 |                |            |                |              | LA: LC/APC  |
|                 |           |                  |                 |                |            |                |              | X: Others   |