

1×2 or 2×2 Three Window Coupler (TWC)

Applications:

- ◇ Optical communication systems
- ◇ CATV
- ◇ FTTX
- ◇ Testing instruments



Specifications

| | | Three-Window Coupler (TWC) | |
|----------------------------|-------|--|-------------------|
| Grade | | P | A |
| Port configuration | | 1x2 or 2x2 | |
| Operating wavelength (nm) | | 1310 ,1490 and 1550 | |
| Operating bandwidth (nm) | | 1310±40,1490±10 and 1550±40 | |
| Typical excess loss (dB) | | 0.07 | 0.10 |
| Insertion Loss (dB) | 50/50 | ≤3.6 | ≤3.8 |
| | 40/60 | ≤4.7/2.7 | ≤4.9/2.9 |
| | 30/70 | ≤6.0/1.9 | ≤6.3/2.1 |
| | 20/80 | ≤7.9/1.3 | ≤8.4/1.4 |
| | 10/90 | 9.20~11.00/≤0.75 | 8.80~11.40/≤0.8 |
| | 5/95 | 12.05~14.20/≤0.4 | 11.55~14.65/≤0.5 |
| | 3/97 | 14.10~16.50/≤0.35 | 13.60~17.05/≤0.45 |
| | 2/98 | 15.60~18.55/≤0.3 | 15.00~19.20/≤0.4 |
| | 1/99 | 18.45~21.70/≤0.25 | 17.80~22.40/≤0.35 |
| PDL (dB) | | ≤0.15 | ≤0.20 |
| Directivity (dB) | | ≥55 | |
| Operating temperature (°C) | | -40 ~ +85 | |
| Package Dimension | | 250μm bare fiber: Φ3.0×45mm 900μm loose tube: Φ3.0×54mm 900um/2mm/3mm loose tube: 90×20×10mm | |

*The above specification is without connector.

**Other specifications can be made on customer request.



Ordering Information

| TWC | X | XXX | XXXX | XX/XX | X | X | XXX | XX/XX |
|-----|--------------|-------------|----------------------|----------------|--------------|-----------------------------|--------------|-----------|
| | Grade | Port number | Operating Wavelength | Coupling Ratio | Pigtail Type | Encapsulation on steel tube | Fiber Length | Connector |
| | P=Perfect | 1×2 | 1310 & 1490 & 1550 | 01/99 | 0=250um | 3.0×45 | 1m | FC/UPC |
| | A=Grade A | 2×2 | | 02/98 | 1=900um | 3.0×54 | 1.5m | FC/APC |
| | X=customized | | | 03/97 | 4=others | | 2m | SC/UPC |
| | | | ... | ... | | | ... | ... |