

# 1064nm Ultra-Wideband High Power Fused Coupler/Splitter

## FEATURES

- Low Excess Loss
- Variety Coupling Ratio
- Epoxy-Free Optical Path
- High Reliability and Stability
- Low Profile Packaging

## APPLICATIONS

- LAN WAN Systems
- Signal Monitoring
- Network Monitoring
- CATV
- Test Equipments



## SPECIFICATIONS

| Parameter                  | Unit | A Type                               |          | B Type   |       |       |       |
|----------------------------|------|--------------------------------------|----------|----------|-------|-------|-------|
| Center Wavelength          | nm   | 1064                                 |          |          |       |       |       |
| Bandwidth                  | nm   | +/-50                                |          | +/-100   |       |       |       |
| Excess Loss                | dB   | 1.0                                  |          |          |       |       |       |
| Split Ratio                | %    | 1:99                                 | 2:98     | 5:95     | 10:90 | 40:60 | 50:50 |
|                            |      | 1+/-0.6%                             | 2+/-0.8% | 5+/-2.0% | 10%   | 40%   | 50%   |
| Uniformity (50:50 Ratio)   | dB   | ≤0.8                                 |          |          |       |       |       |
| Directivity                | dB   | ≥45                                  |          |          |       |       |       |
| Fiber Type                 | -    | HI1060 Fiber or HI1060 Flex Fiber    |          |          |       |       |       |
| Fiber Tensile Load         | N    | 5                                    |          |          |       |       |       |
| Maximum Optical Power (CW) | W    | 1, 2, 3, 5, 10, 15, 20, 25, 30       |          |          |       |       |       |
| Operating Temperature      | °C   | 0~50                                 |          |          |       |       |       |
| Storage Temperature        | °C   | -40~85                               |          |          |       |       |       |
| Package Dimension          | mm   | (Φ)3.0x60 for Bare Fiber             |          |          |       |       |       |
|                            |      | (Φ)3.0x76 for 900um Loose Tube       |          |          |       |       |       |
|                            |      | (L)120x(W)12x(H)10 for 2mm/3mm Cable |          |          |       |       |       |

- Note:**
1. Specifications are for device without connectors; Specifications may change without notice.
  2. To add connectors, IL is 0.5dB higher, RL is 5dB lower.
  3. Devices for higher optical power or with other type fiber or consigned fiber are also available.
  4. Package size may be different for different optical power and fiber type.

## ORDERING INFORMATION (PN)

| FCLU - NNNN       | - NN            | N             | C        | -HP NN        | -(C)          | C                    | C             | NN           | -CC/CCC                 |
|-------------------|-----------------|---------------|----------|---------------|---------------|----------------------|---------------|--------------|-------------------------|
| Center Wavelength | Coupling Ratio. | Configuration | Type     | Optical Power | Package       | Fiber Type           | Fiber Sleeve  | Fiber Length | Connector Type          |
| 1064=1064nm       | 01= 1% Ratio    | 1= 1x2 Type   | A=A Type | 1= 1W         | M=Metal Box   | H= HI1060 Fiber      | B= Bare Fiber | 05=0.5m      | N =Without Connector    |
|                   | 05= 5% Ratio    | 2= 2x2 Type   | B=B Type | 5= 5W         | Blank for SST | F= HI1060 Flex Fiber | L= Loose Tube | 10=1.0m      | FC/APC=FC/APC Connector |
|                   | 10=10% Ratio    |               |          | 10=10W        |               |                      | 2= 2mm Cable  | 15=1.5m      | LC/PC =LC/PC Connector  |
|                   | 50= 50% Ratio   |               |          | 30= 30W       |               |                      | 3= 3mm Cable  | 20=2.0m      | SC/UPC=SC/UPC Connector |