

# 1xN/MxN Fused Fiber Splitter Module for Pulse Power

## FEATURES

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

## APPLICATIONS

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



## SPECIFICATIONS

| Parameter                     |                | Unit | Nx4<br>N=1, 2, 4                                      | Nx8<br>N=1, 2, 4 | Nx16<br>N=1, 2, 4     | Nx32<br>N=1, 2, 4 |
|-------------------------------|----------------|------|-------------------------------------------------------|------------------|-----------------------|-------------------|
| Center Wavelength             |                | nm   | 1310, 1480, 1550, 1590, 1550&1590, 1310&1550          |                  |                       |                   |
| <b>Single Window Standard</b> | Passband Width | nm   | +/-20                                                 |                  |                       |                   |
|                               | Insertion Loss | dB   | ≤6.8                                                  | ≤10.2            | ≤13.6                 | ≤17.5             |
|                               | PDL            | dB   | ≤0.15                                                 | ≤0.20            | ≤0.25                 | ≤0.30             |
|                               | Uniformity     | dB   | ≤0.8                                                  | ≤1.0             | ≤2.0                  | ≤2.5              |
| <b>Single Window Wideband</b> | Passband Width | nm   | +/-40                                                 |                  |                       |                   |
|                               | Insertion Loss | dB   | ≤6.8                                                  | ≤10.2            | ≤13.6                 | ≤17.5             |
|                               | PDL            | dB   | ≤0.15                                                 | ≤0.20            | ≤0.25                 | ≤0.30             |
|                               | Uniformity     | dB   | ≤1.0                                                  | ≤1.2             | ≤2.4                  | ≤3.0              |
| <b>Dual Window Wideband</b>   | Passband Width | nm   | +/-40                                                 |                  |                       |                   |
|                               | Insertion Loss | dB   | ≤7.5                                                  | ≤11.0            | ≤15.5                 | ≤19.0             |
|                               | PDL            | dB   | ≤0.20                                                 | ≤0.30            | ≤0.40                 | ≤0.50             |
|                               | Uniformity     | dB   | ≤1.6                                                  | ≤2.4             | ≤3.2                  | ≤4.0              |
| Optical Return Loss           |                | dB   | ≥40                                                   |                  |                       |                   |
| Directivity                   |                | dB   | ≥50                                                   |                  |                       |                   |
| Fiber Type                    |                | -    | SMF-28 Fiber or 10/130um DC Fiber                     |                  |                       |                   |
| Fiber Tensile Load            |                | N    | 5                                                     |                  |                       |                   |
| Maximum Average Power         |                | W    | 0.3, 0.5, 1, 2, 3, 5, 10, 15, 20, 30, 40, 50, 80, 100 |                  |                       |                   |
| Max. Peak Power for Pulse     |                | kW   | 0.1, 1, 2, 3, 5, 10, 15, 20                           |                  |                       |                   |
| Operating Temperature         |                | °C   | 0~70                                                  |                  |                       |                   |
| Storage Temperature           |                | °C   | -40~85                                                |                  |                       |                   |
| Package Dimension             |                | mm   | (L)100x(W)80x(H)10                                    |                  | (L)142x(W)102x(H)14.5 |                   |

- Note:**
1. Specifications are for device without connectors; Specifications may change without notice.
  2. To add connectors, IL is 0.3dB higher, RL is 5dB lower.
  3. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
  4. Devices for higher optical power or with other type fiber or consigned fiber are also available; Devices can only work in the core of Double Cladding (DC) Fiber, Cladding Power must be stripped before connecting the device.
  5. Package size may be different for different optical power and fiber type.

## ORDERING INFORMATION (PN)

| FCLT-NNNN           | - C         | NXN             | -H            | NN         | P NN                   | -(C)          | C          | NN                      | - CC/CCC       |
|---------------------|-------------|-----------------|---------------|------------|------------------------|---------------|------------|-------------------------|----------------|
| Center Wavelength   | Type        | Configuration   | Average Power | Peak Power | Fiber Type             | Fiber Type    | Fiber Type | Fiber Length            | Connector Type |
| 1310-1310nm         | S- Standard | 1X4-1x4 Type    | 03- 300mW     | 01- 100W   | 0-10/130DC Fiber       | B- Bare Fiber | 05-0.5m    | N-Without Connector     |                |
| 1550-1550nm         | W- Wideband | 1X8- 1x8 Type   | 2- 2W         | 2- 2kW     | Blank for SMF-28 Fiber | L- Loose Tube | 10-1.0m    | FC/APC=FC/APC Connector |                |
| CL- 1550&1590nm     |             | 4X4- 4x4 Type   | 5- 5W         | 5- 5kW     |                        | 2- 2mm Cable  | 15-1.5m    | LC/PC=LC/PC Connector   |                |
| 1315- 1310nm&1550nm |             | 1X16- 1x16 Type | 10-10W        | 10-10kW    |                        | 3- 3mm Cable  | 20-2.0m    | SC/UPC=SC/UPC Connector |                |