

## 1020~1160nm Multimode Filter Splitter Module for Pulse Power

### FEATURES

- ▣ Low Excess Loss
- ▣ Various Splitting Ratio
- ▣ Wide Passband
- ▣ High Stability and Reliability
- ▣ Epoxy Free Optical Path

### APPLICATIONS

- ▣ Optical Amplifier
- ▣ Optical Networks
- ▣ Power Monitoring
- ▣ Fiber Sensor
- ▣ Lab



### SPECIFICATIONS

| Parameter                  | Unit | 1x4 or 2x4 or 4x4  | 1x8 or 2x8 or 4x8 |
|----------------------------|------|--|-------------------|
| Center Wavelength          | nm   | 1020, 1030, 1040, 1053, 1064<br>1070, 1080, 1092, 1103, 1120, 1150             |                   |
| Bandwidth                  | nm   | +/-20nm or customer specify  |                   |
| Insertion Loss             | Typ. | 7.8  | 11.2              |
|                            | Max. | 8.8  | 12.5              |
| Uniformity                 | dB   | ≤1.5   | ≤2.0              |
| Optical Return Loss        | dB   | ≥35  |                   |
| Directivity                | dB   | ≥40  |                   |
| Fiber Type                 | -    | 50/125um or 62.5/125um MM Fiber<br>50/125um MM OM3 Fiber<br>105/125um MM Fiber |                   |
| Fiber Tensile Load         | N    | 5  |                   |
| Max. Average Optical Power | W    | 0.3, 0.5, 1, 2, 3, 5, 10, 15, 20, 25, 30, 50, 60                               |                   |
| Max. Peak Power for pulse  | kW   | 0.1, 1, 2, 3, 5, 10, 20  |                   |
| Operating Temperature      | °C   | 0~50   |                   |
| Storage Temperature        | °C   | -40~85   |                   |
| Package Dimension          | mm   | L100xW80xH10   |                   |

- Note:**
1. Specifications are for device without connectors; Specifications may change without notice.
  2. To add connectors, IL is 0.3dB higher, RL is 10dB lower.
  3. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
  4. Specifications are tested at low order modes.
  5. Devices for higher optical power or with other type fiber or consigned fiber are also available.
  6. Package size may be different for different optical power fiber type and configurations.

### ORDERING INFORMATION (PN)

| FMTM - NNNN | - NxN         | -H            | NN         | PNN   | - C           | C            | NN                      | - CC/CCC |
|-------------|---------------|---------------|------------|---|---------------|--------------|-------------------------|----------|
| Wavelength  | Configuration | Average Power | Peak Power | Fiber Type                                    | Fiber Sleeve  | Fiber Length | Connector Type          |          |
| 1030-1030nm | 1X4-1X4 Type  | 03-300mW      | 01-100W    | 5- 50/125um MM Fiber                          | B- Bare Fiber | 05-0.5m      | N-Without Connector     |          |
| 1064-1064nm | 1X8-1X8 Type  | 1- 1W         | 1- 1kW     | 6- 62.5/125um MM Fiber                        | L- Loose Tube | 10-1.0m      | FC/APC=FC/APC Connector |          |
| 1080-1080nm | 2X4-2X4 Type  | 10-10W        | 5- 5kW     | 3- OM3 MM Fiber                               | 2- 2mm Cable  | 15-1.5m      | LC/PC=LC/PC Connector   |          |
| 1120-1120nm | 4X8-4X8 Type  | 30-30W        | 10-10kW    | A- 105/125um, NA=0.22<br>B-105/125um, NA=0.15 | 3- 3mm Cable  | 20-2.0m      | SC/UPC=SC/UPC Connector |          |