

## 900~950nm 1x6 PM 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 | Value   |
|----------------------------|------|---|
| Center Wavelength          | nm   | 915, 930, 940, 950  |
| Bandwidth                  | nm   | +/-15nm or customer specify   |
| Configuration              | -    | 1x6 or 2x6  |
| Insertion Loss             | dB   | ≤10.8   |
| Uniformity                 | dB   | ≤1.8  |
| Extinction Ratio           | dB   | ≥18   |
| Optical Return Loss        | dB   | ≥50   |
| Working Mode               | -    | Can only work in Slow Axis  |
| Fiber Type                 | -    | PM850 Fiber, PM980 Fiber or PM1060L Fiber (E)<br>10/125um PMDC Fiber (O) or 15/130um PMDC Fiber (W)<br>20/130um PMDC Fiber (Q) or 25/250um PMDC Fiber (R) |
| Alignment                  | -    | Slow Axis   |
| Fiber Tensile Load         | N    | 5   |
| Max. Average Optical Power | W    | 0.3, 0.5, 1, 2, 3, 5, 10, 15, 20, 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   | L160x <sup>W</sup> 140x <sup>H</sup> 10   |

- Note:**
1. Specifications are for device without connectors; Specifications may change without notice.
  2. To add connectors, IL is 0.7dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
  3. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
  4. The devices can only work in slow axis and fast axis is blocked.
  5. 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.
  6. Package size may be different for different optical power fiber type and configurations.

### ORDERING INFORMATION (PN)

| FPFM- <b>NNN</b> | - <b>NxN</b>  | - <b>H NN</b> | <b>P</b>   | <b>NN</b>           | - <b>C</b>    | <b>C</b>     | <b>NN</b>               | - <b>CC/CCC</b> |
|------------------|---------------|---------------|------------|---------------------|---------------|--------------|-------------------------|-----------------|
| Wavelength       | Configuration | Average Power | Peak Power | Fiber Type          | Fiber Sleeve  | Fiber Length | Connector Type          |                 |
| 915-915nm        | 1X6-1X6 Type  | 03-300mW      | 01-100W    | 2-PM850Fiber        | B- Bare Fiber | 05-0.5m      | N-Without Connector     |                 |
| 930-930nm        | 2X6-2X6 Type  | 1-1W          | 1-1kW      | H-PM980 Fiber       | L- Loose Tube | 10-1.0m      | FC/APC=FC/APC Connector |                 |
| 940-940nm        |               | 5-5W          | 5-5kW      | E-PM1060L Fiber     | 2- 2mm Cable  | 15-1.5m      | LC/PC=LC/PC Connector   |                 |
| 950-950nm        |               | 10-10W        | 10-10kW    | R-25/250 PMDC Fiber | 3- 3mm Cable  | 20-2.0m      | SC/UPC=SC/UPC Connector |                 |