

750~850nm 1x3 PM Fused 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 | 1x3 | |
|----------------------------|------|-------------------------------------|-----|
| Center Wavelength | nm | 750, 780, 793, 808, 830, 850 | |
| Bandwidth | nm | +/-10 | |
| Insertion Loss | Typ. | dB | 5.8 |
| | Max. | dB | 6.4 |
| Uniformity | dB | 1.0 | |
| Extinction Ratio | dB | ≥18 | |
| Optical Return Loss | dB | ≥40 | |
| Directivity | dB | ≥45 | |
| Fiber Type | - | PM850 Panda Fiber or PM780-HP Fiber | |
| Fiber Tensile Load | N | 5 | |
| Max. Average Optical Power | W | 0.3, 0.5, 1, 2, 3, 5, 10, 15, 20 | |
| Max. Peak Power for Pulse | kW | 0.1, 1, 2, 3, 5, 10, 15, 20 | |
| Operating Temperature | °C | 0~50 | |
| Storage Temperature | °C | -40~85 | |
| Package Dimension | mm | (L)160x(W)140x(H)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. 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.

ORDERING INFORMATION (PN)

| FPCM- NNN | - NxN | -H NN | P NN | - (C) | C | NN | - CC/CCC |
|-------------------|----------------------|----------------------|-------------------|-----------------------|---------------------|---------------------|-------------------------|
| <i>Wavelength</i> | <i>Configuration</i> | <i>Average Power</i> | <i>Peak Power</i> | <i>Fiber Type</i> | <i>Fiber Sleeve</i> | <i>Fiber Length</i> | <i>Connector Type</i> |
| 850-850nm | 1X3-1X3 Type | 03-300mW | 01-100W | 7-PM780HP Fiber | 8- Bare fiber | 05-0.5m | N-Without Connector |
| 830-830nm | | 1- 1W | 1- 1kW | Blank for PM850 Fiber | L- Loose Tube | 10-1.0m | FC/APC=FC/APC Connector |
| 808-808nm | | 10- 10W | 5- 5kW | | 2- 2mm Cable | 15-1.5m | LC/PC=LC/PC Connector |
| 780-780nm | | 20- 20W | 10-10kW | | 3- 3mm Cable | 20-2.0m | SC/UPC=SC/UPC Connector |