

PM Filter Splitter Module (1x4, 1x8, 2x4, 2x8, 4x4, 4x8)

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 | 1310, 1480, 1550, 1590, 1550&1590 | |
| Bandwidth | nm | +/-30nm or customer specify | |
| Insertion Loss | Typ. | dB | 7.0 |
| | Max. | dB | 7.5 |
| Uniformity | dB | ≤1.0 | ≤1.2 |
| Extinction Ratio | B Type | dB | ≥20 |
| | F Type | dB | ≥22 |
| Working Mode | B Type | dB | Can work both in Fast Axis and Slow Axis |
| | F Type | dB | Can only work in Slow Axis and Fast Axis is blocked |
| Optical Return Loss | dB | ≥50 | |
| Directivity | dB | ≥50 | ≥45 |
| Fiber Type | - | PM1310/1550 Panda Fiber, 10/125um PMDC Fiber (O) 12/130um PMDC Fiber (T), 20/130um PMDC Fiber (Q) 25/250um PMDC Fiber (R), 25/300um PMDC Fiber (G) | |
| Fiber Tensile Load | N | 5 | |
| Max. Optical Power (CW) | mW | 300 | |
| Operating Temperature | °C | 0~70 | |
| Storage Temperature | °C | -40~85 | |
| Package Dimension | mm | L160x ^W 140x ^H 10 | L160x ^W 160x ^H 10 |

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, ER is 2dB Lower, Connector key is aligned to slow axis.

3. 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)

| | | | | | |
|--------------------------|----------------------|-------------|---------------------|---------------------|-------------------------|
| FPFM - NNNN - NxN | C | - C | C | NN | - CC/CCC |
| <i>Wavelength</i> | <i>Configuration</i> | <i>Type</i> | <i>Fiber Type</i> | <i>Fiber Sleeve</i> | <i>Fiber Length</i> |
| 1550-1550nm | 1X4-1X4 Type | B-B Type | 2-PM1310/1550 Fiber | B- Bare Fiber | 05-0.5m |
| 1310-1310nm | 1X8-1X8 Type | F-F Type | 0-10/125 PMDC Fiber | L- Loose Tube | 10-1.0m |
| 1590-1590nm | 2X4-2X4 Type | | T-12/130 PMDC Fiber | 2- 2mm Cable | 15-1.5m |
| L-1550&1590nm | 4X8-4X8 Type | | R-25/250 PMDC Fiber | 3- 3mm Cable | 20-2.0m |
| | | | | | <i>Connector Type</i> |
| | | | | | N-Without Connector |
| | | | | | FC/APC=FC/APC Connector |
| | | | | | LC/PC=LC/PC Connector |
| | | | | | SC/UPC=SC/UPC Connector |