

**Features**

- Low Insertion Loss
- High Return Loss
- High Power Handling Capability

**Applications**

- Fiber Optic Instruments
- Fiber Amplifiers
- Fiber Lasers
- Fiber Sensors

**Specifications**

| Parameters                              | Unit | Values                                |     |
|---|------|---------------------------------------|-----|
| Port Type                               |      | 1X2                                   | 2X2 |
| Center Wavelength                       | nm   | 1310 or 1550                          |     |
| Operating Wavelength Range              | nm   | ±40                                   |     |
| Max. Excess Loss                        | dB   | 0.9                                   | 1.2 |
| Max. Uniformity (only for 50/50)        | dB   | 0.6                                   | 0.8 |
| Tap Ratio (Port 2/4)                    | %    | 1±0.2, 2±0.4, 5±1.0, 10 & 50          |     |
| Min. Return Loss                        | dB   | 50                                    |     |
| Min. Extinction Ratio (only for F type) | dB   | 22                                    | 22  |
| Min. Extinction Ratio (only for B type) | dB   | 20                                    | 18  |
| Max. Optical Power (CW)                 | W    | 1, 2 or Specify (only for Splitter)   |     |
| Max. Peak Power for ns Pulse            | kW   | 10                                    |     |
| Max. Tensile Load                       | N    | 5                                     |     |
| Fiber Type                              |      | SMF-28e or PM Panda Fiber on Tap Port |     |
|   |      | PM Panda Fiber on Port 1 & Port 3     |     |
| Operating Temperature                   | °C   | -5 to +70                             |     |
| Storage Temperature                     | °C   | -40 to +85                            |     |

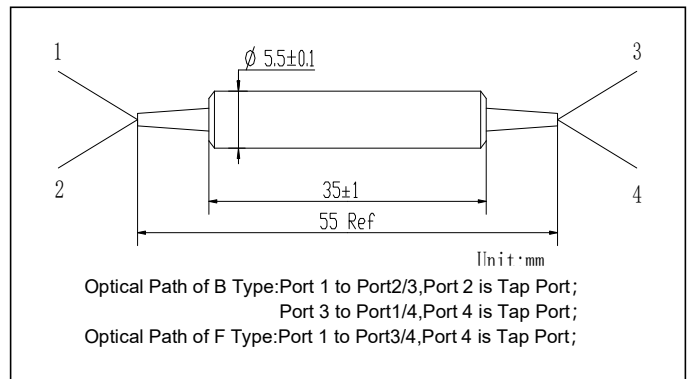
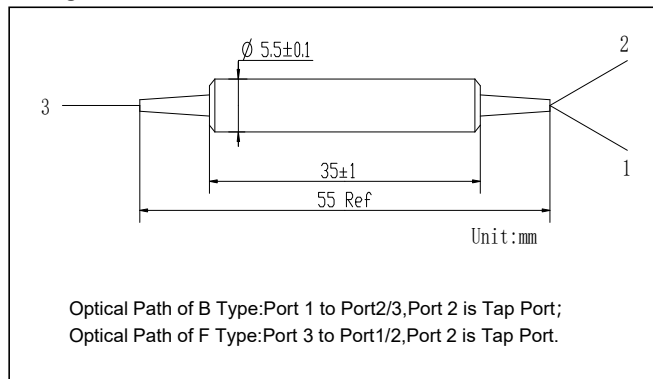
\* Above specifications are for devices without the connectors.

\* For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower, ER will be 2dB lower and optical power is only 1000mW(CW).

\*The PM fiber and the connector key are aligned to the slow axis. And for F type, fast axis is blocked.

\* The material must be RoHS compliant.

**Package Dimensions**



**Ordering Information**

HPMFC-①①-②②-③③-④④-⑤⑤-⑥⑥⑥⑥-⑦⑦⑦⑦-⑧⑧-⑨⑨-⑩⑩

①①: Wavelength  
 31 - 1310nm  
 55 - 1550nm  
 SS - Specify

②②: Port  
 1 - 1x2  
 2 - 2x2

③③: Coupling Ratio  
 01 - 1/99  
 02 - 2/98  
 05 - 5/95  
 10 - 10/90  
 50 - 50/50  
 S - Specify

④④: Axis Alignment  
 F - Fast Axis Blocked  
 B - Both Axis Working

⑤⑤: Handling Power  
 01 - 1W (only for Splitter)  
 02 - 2W (only for Splitter)

⑥⑥⑥⑥: Connector Type on Port 1, 2, 3 & 4  
 1A - FC/UPC  
 2A - FC/APC  
 3D - SC/UPC  
 4D - SC/APC  
 N - None  
 S - Specify

⑦⑦⑦⑦: Fiber Jacket on Port 1, 2, 3 & 4  
 B - Bare Fiber  
 C - 900um Loose Tube(Red)  
 D - 900um Loose Tube(Blue)  
 E - 900um Loose Tube(Black)  
 SS - Specify

⑧⑧: Fiber Length  
 1 - 1.0m  
 S - Specify

⑨⑨: Fiber Type  
 01A - PM1550 Fiber on all Port  
 07A - PM1310 Fiber on all port  
 09 - Nufern PM1550-XP Fiber on all Port  
 13A - PM1550 on Port 1 & 3, SMF-28e on Port 2  
 S - Specify

⑩⑩: Package Dimensions  
 01 - Ø5.5x35  
 S - Specify