

Features

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

Applications

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

Specifications

Parameters	Unit	Values	
Port Type		1X2	2X2
Center Wavelength	nm	2000	
Operating Wavelength Range	nm	±50	
Max. Excess Loss	dB	1.2	1.5
Max. Uniformity (only for 50/50)	dB	0.8	1.0
Tap Ratio (Port 2/4)	%	1±0.3, 2±0.6, 5±1.2, 10 & 50	
Min. Return Loss	dB	50	
Min. Extinction Ratio (only for F type)	dB	20	18
Min. Extinction Ratio (only for B type)	dB	18	16
Max. Optical Power (CW)	W	1, 3, 5 or Specify (only for Splitter)	
Max. Tensile Load	N	5	
Fiber Type		PM 1550 or PM 1950 Fiber on Port 1 & Port 3	
Operating Temperature	°C	-5 to +70	
Storage Temperature	°C	-40 to +85	

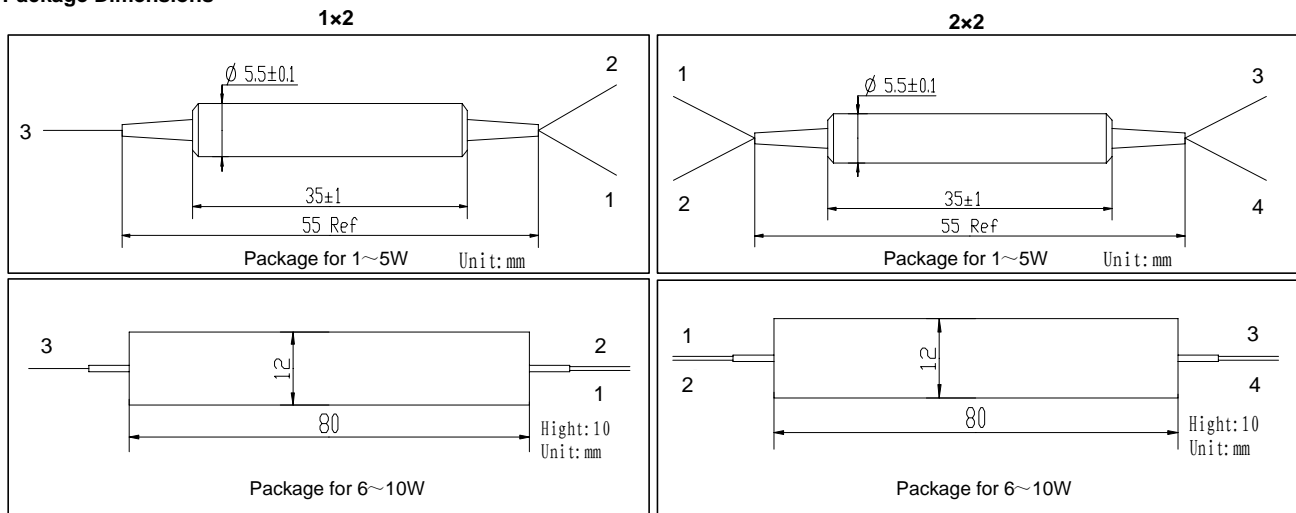
*Above specifications are for devices without the connectors.

*For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower, ER will be 2dB lower, optical power is only 1W.

*The PM fiber and the connector key are aligned to the slow axis.

*For F type, fast axis is blocked, the input must be linear polarized light, and the input polarization must be aligned properly.

Package Dimensions



Optical Path of B Type: Port 1 to Port2/3, Port 2 is Tap Port.
Optical Path of F Type: Port 3 to Port1/2, Port 2 is Tap Port.

Optical Path of B Type: Port 1 to Port2/3, Port 2 is Tap Port,
Port 3 to Port1/4, Port 4 is Tap Port.
Optical Path of F Type: Port 1 to Port3/4, Port 4 is Tap Port,
Port 3 to Port1/2, Port 2 is Tap Port.

Ordering Information

HPMFC-①①-②-③③-④-⑤⑤-⑥⑥-⑦-⑧⑧⑧-⑨⑨⑨-⑩

- | | | |
|--|---|---|
| ①①: Wavelength
20 - 2000nm
SS - Specify | ⑤⑤: Handling Power
01 - 1W
SS - Specify | ⑧⑧⑧: Connector Type on Port 1, 2 & 3
1 - FC/UPC
2 - FC/APC
3 - SC/UPC
4 - SC/APC
N - None
S - Specify |
| ②: Port
1 - 1x2
2 - 2x2 | ⑥⑥: Coupling Ratio
01 - 1/99
02 - 2/98
05 - 5/95 | ⑨⑨⑨: Fiber Jacket on Port 1, 2 & 3
B - 250um Fiber
L - 900um Loose Tube
S - Specify |
| ③③: Fiber Type on Port 1 and 3
1 - PM 1550 Fiber
2 - PM 1950 Fiber | ⑩: Fiber Length
0.8 - 0.8m
S - Specify | |
| ④: Fiber Type on Tap port
1 - SMF-28e Fiber (only for PM 1550 on Port 1 and 3)
2 - SM 1950 Fiber (only for PM 1950 on Port 1 and 3)
3 - PM Panda Fiber
S - Specify | ⑦: Axis Alignment
F - Fast Axis Blocked
B - Both Axis Working | |