

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±2 & 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. Peak Power for ns Pulse	kW	10	
Max. Tensile Load	N	5	
Fiber Type	-	PM Panda Fiber	
Operating Temperature	°C	-5 ~ +70	
Storage Temperature	°C	-40 ~ +85	

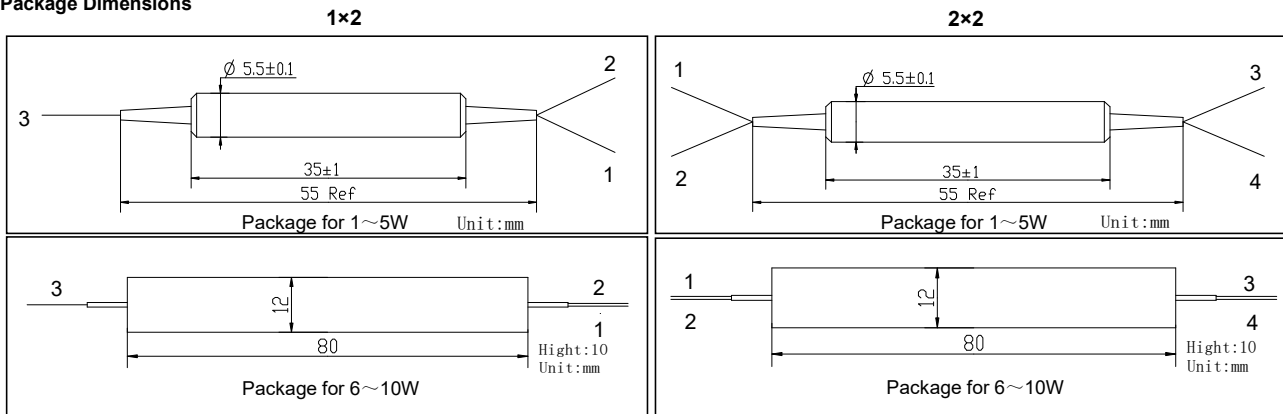
* Above specifications are for devices without the connectors.

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

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

Ordering Information

1x2 HPMFC-①-②-③-④-⑤-⑥⑥⑥-⑦⑦⑦-⑧-⑨-⑩

2x2 HPMFC-①-②-③-④-⑤-⑥⑥⑥⑥-⑦⑦⑦⑦-⑧-⑨-⑩

①: Wavelength
20 - 2000nm
S - Specify

④: Axis Alignment
F - Fast Axis Blocked
B - Both Axis Working

⑦⑦⑦: Fiber Jacket on Port 1, 2&3
B - 250um Bare Fiber
C - 900um Loose Tube (Red)
R - 3mm Cable (Blue)
SS - Specify

②: Port
1 - 1x2
2 - 2x2

⑤: Handling Power
01 - 1W
03 - 3W
05 - 5W
S - Specify

⑧: Fiber Length
0.8 - 0.8m
S - Specify

③: Coupling Ratio
01 - 1/99
02 - 2/98
05 - 5/95
10 - 10/90
50 - 50/50
S - Specify

⑥⑥⑥: Connector Type on Port 1, 2&3
1A - FC/UPC
2A - FC/APC
3D - SC/UPC
4D - SC/APC
N - None
S - Specify

⑨: Fiber Type
12 - Nufern PM1950 Fiber on all Port
S - Specify

⑩: Package Dimensions
01 - Ø5.5x35
08 - 80*12*10
S - Specify