

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	

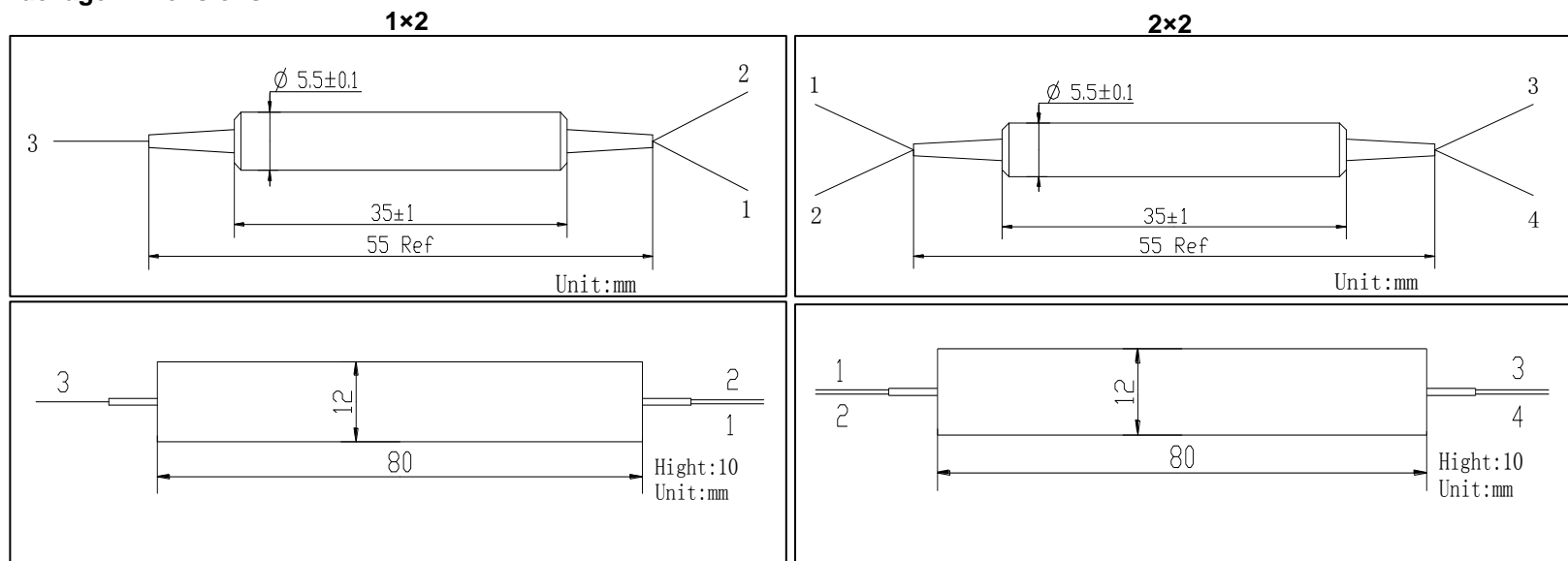
*Above specifications are for devices without the connectors.

*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

AHPMFC-①①-②-③③-④-⑤⑤-⑥⑥-⑦-⑧⑧⑧-⑨⑨⑨-⑩

①①: Wavelength
 20 - 2000nm
 SS - Specify

②: Port
 1 - 1x2
 2 - 2x2

③③: Fiber Type on Port 1 and 3
 1- PM 1550 Fiber
 2 - PM 1950 Fiber

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

⑤⑤: Handling Power
 01 - 1W
 SS - Specify

⑥⑥: Coupling Ratio
 01 - 1/99
 02 - 2/98
 05 - 5/95
 10 - 10/90
 50 - 50/50
 SS - Specify

⑦: Axis Alignment
 F - Fast Axis Blocked
 B - Both Axis Working

⑧⑧⑧: Connector Type on Port 1, 2 & 3
 1 - FC/UPC
 2 - FC/APC
 3 - SC/UPC
 4 - SC/APC
 N - None
 S - Specify

⑨⑨⑨: Fiber Jacket on Port 1, 2 & 3
 B - 250um Fiber
 L - 900um Loose Tube
 S - Specify

⑩: Fiber Length
 0.8 - 0.8m
 S - Specify