

Polarization Maintaining(PM) Fused Coupler (PM-FU Coupler Series)



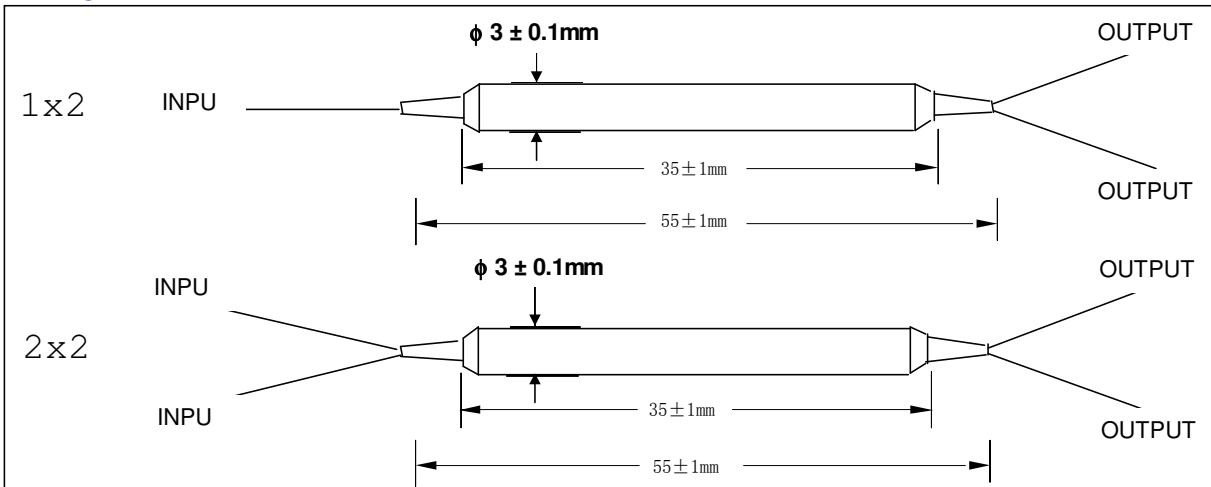
PM-FU Series is manufactured using advanced BT technology into PM optical fiber to allow the input signal to split into various ratio with high extinction ratio.

General Specifications

Parameters	Unit	Values	
Center Wavelength	nm	1550 ± 5; 1550 ± 10; 1550 ± 20;	
Type		1x2	2x2
Excess Loss Max.	dB	1.0	1.0
Max Uniformity	dB	0.8	0.8
Tap Ratio	%	1 ± 0.2%, 2 ± 0.4%, 4 ± 0.8%, 5 ± 1.0%, 10%, 20%, 30% and 50%	
Min. Return Loss	dB	≥50	
Min. Extinction Ratio	dB	20	20
Max. Optical Power	mW	300	
Max. Tensile Load	N	5	
Operating Temperature	°C	-5 to +70	
Storage Temperature	°C	-40 to +85	
Fiber Type(In/Out)		PM Panda Fiber for Input & Output Port	

The above specification is for devices without including the connectors

Package Dimensions



Ordering Information

PMFC-①①-②-③③-④-⑤-⑥

①① : Wavelength

55 - 1550nm

SS - Specify

② : Type

1 - 1x2

2 - 2x2

③③ : Coupling Ratio

01 - 1/99

02 - 2/98

04 - 4/96

05 - 5/95

10 - 10/90

20 - 20/80

50 - 50/50

SS - Specify

④ : Connector Type

01 - FC/UPC

02 - FC/APC

03 - SC/UPC

04 - SC/APC

N - none

⑤ : Fiber Type

0.25 - 250 um panda fiber

0.4 - 400 um panda fiber

0.9 - 900 um loose tube panda fiber

S - Specify

⑥ : Fiber Length

Q - 0.75 m

S - specify

Remark: The PM fiber and the connector key are aligned to the slow axis

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