

1550 nm Polarization Maintaining Fused Fiber Coupler with 80um Fiber

Model #: PMFC

Description: 1550 nm Polarization Maintaining Fused Fiber Coupler with 80 um fiber

Application: Fiber amplifier, fiber laser, fiber sensor

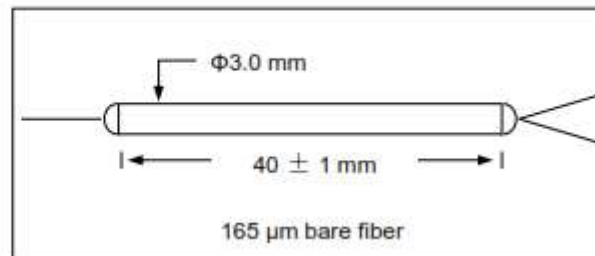
Specifications:

Parameter	Unit	Specifications		
Central Wavelength	nm	1550		
Coupling Ratio	%	10/90	30/70	50/50
Max. Coupling Ratio Tolerance	%	±1	±2	±3
Maximum Insertion Loss	dB	11.06/1.11	6.13/2.27	3.88/3.88
Min. Polarization ER for Main Port	dB	16		
Max. Excess Loss	dB	0.6		
Thermal Stability	dB	<0.005		
Min. Return Loss	dB	50		
Min. Directivity	dB	50		
Max. Average Optical Power	mW	300 or 2000		
Operating Temperature	°C	-5 to +70		
Storage Temperature	°C	-40 to + 85		
Fiber Type		Corning RC PM 1550		

* Test at the central wavelength only.

Note: each connector may contribute an extra 0.5 dB IL, 5 dB lower RL, and 2 dB lower PER. Keying to slow axis. The ER data listed in the table are for the ports with a coupling ratio greater than 10%. It will be 2dB lower for a tap port with a coupling ratio between 1-10%. For 1% tap port, ER is not considered. With connectors, the maximum power handling will be 1W.

Package Dimensions



Ordering Information:

PMFC-A-BBBB-CC-D-E-F-G-H (80um fiber)

A: configuration	BBBB: wavelength	CC: coupling ratio	D: Fiber type for tap port	E: connector type	F: fiber jacket	G: fiber length	H: power handling
1 – 1 x 2	1550 – 1550 nm	10 – 10/90	P – PM fiber	1 - FC/UPC	B - 165μm bare fiber	Q – 0.75 m	0.3 – 300mW
2 – 2 x 2	XXXX - other	30 - 30/70	S – SM fiber	2 - FC/APC	X - other	1 – 1.0 m	2 – 2W
		50 – 50/50		3 - SC/UPC		X - other	
		XX - other		4 - SC/APC			
				N - none			
				X - other			