

## 980/1550nm 1x2 PM Fused WDM

980/1550nm PM Fused Wavelength Division Multiplexer is a fiber component built with FBT technology, it can be used to separate or combine 980nm and 1550nm wavelength signal with PM Panda fiber, it's widely used in Fiber Laser Systems and Fiber Amplifier Systems, the high power type is available upon request.

### Application:

Fiber Laser  
EDFA  
Optical Diffraction System  
Lab And Research

### Features:

Epoxy Free  
High Isolation  
Low Insertion Loss  
Optical Path Reversibility



### Specification:

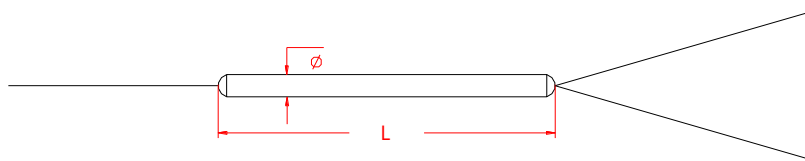
Parameter	Symbol	Value	Unit
Wavelength	$\lambda$	980/1550	nm
Bandwidth	BW	980 $\pm$ 10/1550 $\pm$ 15	nm
Max. Insertion Loss	IL	0.7	dB
Min. Isolation	Iso	18	dB
Min. Extinction Ratio	ER	20	dB
Min. Directivity		55	dB
Min. Return Loss	RL	50	dB
Max. Optical Power (CW)	P	2	W
Max. Tensile Load		5	N
Fiber Type		PM Panda Fiber	-
Operating Temperature	T	-40~85	$^{\circ}$ C
Storage Temperature	T	-40~85	$^{\circ}$ C
Package Dimension		$\Phi$ 3.0 $\times$ L54	mm

Notice: Above specifications are tested at center wavelength without connector in room temperature @23 $^{\circ}$ C.

For devices with connectors, IL will be 0.3dB higher, ER will be 2dB lower, slow axis is default aligned to the connector key.

Connectors only 1W CW guarantee.

### Drawing:



### Ordering Information (Part Number):

PFUWDM-**WWW/WWW**-**PP**-**FF**-**J**-**LL**-**CC**

<b>WWW/WWW</b>	<b>PP</b>	<b>FF</b>	<b>J</b>	<b>LL</b>	<b>CC</b>
Wavelength	Port	Fiber Type	Fiber Jacket	Fiber Length	Connector
980/1550 - 980/1550nm	12 - 1x2	P5 - PM 1550 Fiber SS - Specify	B - 250um Bare Fiber 9 - 900um Loose Tube	05 - 0.5m 10 - 1.0m 15 - 1.5m 20 - 2.0m SS - Specify	NE - None FA - FC/APC FU - FC/UPC SA - SC/APC SU - SU/APC LA - LC/APC LU - LC/UPC SS - Specify