

1550/2000nm 1x2 PM Fused WDM

1550/2000nm PM Fused Wavelength Division Multiplexer is a fiber component built with FBT technology, it can be used to separate or combine 1550nm and 2000nm 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

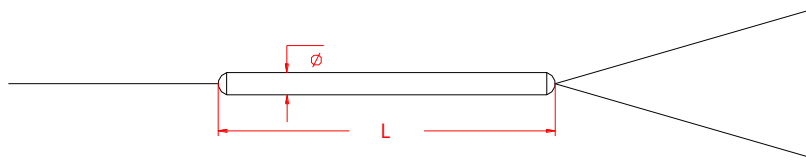

Specification:

Parameter	Symbol	Value	Unit
Wavelength	λ	1550/2000	nm
Bandwidth	BW	1550 \pm 15/2000 \pm 15	nm
Max. Insertion Loss	IL	0.7	dB
Min. Isolation	Iso	13	dB
Min. Extinction Ratio	ER	18	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		Φ 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-WWWW/WWWW-PP-FF-J-LL-CC

<u>WWWW/WWWW</u>	<u>PP</u>	<u>FF</u>	<u>J</u>	<u>LL</u>	<u>CC</u>
Wavelength	Port	Fiber Type	Fiber Jacket	Fiber Length	Connector
1550/2000 - 1550/2000nm	12 - 1x2	P5 - PM 1550 Fiber	B - 250um Bare Fiber	05 - 0.5m	NE - None
1560/2000 - 1560/2000nm	22 - 2x2	P9 - PM 1950 Fiber	9 - 900um Loose Tube	10 - 1.0m	FA - FC/APC
		SS - Specify		15 - 1.5m	FU - FC/UPC
				20 - 2.0m	SA - SC/APC
				SS - Specify	SU - SU/APC
					LA - LC/APC
					LU - LC/UPC
					SS - Specify