1550/780nm 1x2 PM Filter WDM

1550/780nm 1x2 PM Filter WDM is a fiber component built with thin-film filter technology, it can be used to separate or combine 1550nm and 780nm wavelength signal with PM Panda fiber, it's widely used in Quantum Communication Systems and Fiber SHG Systems, the high power type is available upon request.

Application:

Quantum Communication
Fiber SHG
Optical Diffraction System
Lab And Research

Features

Epoxy Free
High Isolation
Low Insertion Loss
Optical Path Reversibility

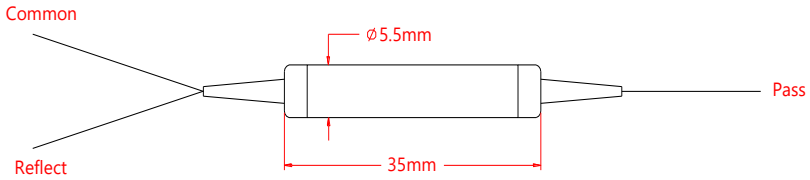
Specification:

Parameter	Symbol	Value	Unit
Type		P1550 R780	nm
Pass Band	λ	1550 (1510-1580)	nm
Reflect Band	λ	780 (770-790)	nm
Max. Insertion Loss @Pass Channel	IL	0.9	dB
Max. Insertion Loss @Reflect Channel (PM 1550 fiber)	IL	0.9	dB
Min. Isolation @Pass Channel	Iso	25	dB
Min. Isolation @Reflect Channel	Iso	15	dB
Max. Channel Flatness		0.3	dB
Min. Extinction Ratio	ER	20	dB
Min. Directivity		50	dB
Min. Return Loss	RL	50	dB
Max. Optical Power (CW)	P	500 or customized	mW
Max. Tensil Load		5	N
Fiber Type		PM 1550 fiber on Common & Pass Port PM 1550, PM 850 or HI 780 fiber on Reflect Port	-
Operating Temperature	T	-5~75	℃
Storage Temperature	T	-40~85	℃
Package Dimension		Φ5.5×L35	mm

Notice: Above specifications are tested at center wavelength without connector in room temperature @23℃.

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

Drawing:



Ordering Information (Part Number):

PFWDM-WWWW/WWW-A-FF-J-LL-CC

WWWW/WWW	A	FF	J	LL	CC
Wavelength	**Working Axis**	**Fiber Type on Reflect Port**	**Fiber Jacket**	**Fiber Length**	**Connector**
1550/775 - 1550nm Pass, 775nm Reflect 1550/780 - 1550nm Pass, 780nm Reflect 1560/780 - 1560nm Pass, 780nm Reflect	F - Fast Axis Blocked Slow axis Working B - Both Axes Working	P7 - PM780-HP Fiber P8 - PM 850 Fiber P5 - PM 1550 Fiber H7 - HI 780 Fiber	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