

780/1050nm 1x2 PM Filter WDM

780/1050nm 1x2 PM Filter WDM is a fiber component built with thin-film filter technology, it can be used to separate or combine 780nm and 1050nm wavelength signal with PM Panda fiber, it's widely used in Fiber Laser Systems and Testing Systems, the high power type is available upon request.

Application:

Fiber Laser
Testing System
Optical Diffraction System
Lab And Research

Features

Epoxy Free
High Isolation
Low Insertion Loss
Optical Path Reversibility



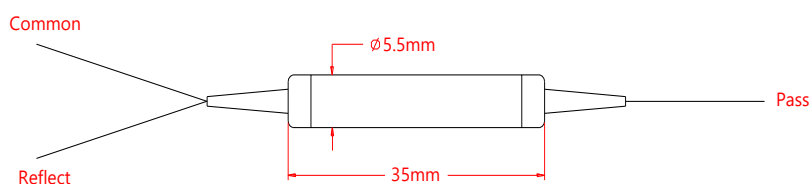
Specification:

Parameter	Symbol	Value	Unit
Type		P780 R1050	nm
Pass Band	λ	780 (765~790)	nm
Reflect Band	λ	1050 (1000-1100)	nm
Max. Insertion Loss @Pass Channel	IL	0.8	dB
Max. Insertion Loss @Reflect Channel	IL	0.6	dB
Min. Isolation @Pass Channel	Iso	25	dB
Min. Isolation @Reflect Channel	Iso	15	dB
Max. Channel Flatness		0.4	dB
Min. Extinction Ratio	ER	18	dB
Min. Directivity		50	dB
Min. Return Loss	RL	50	dB
Max. Optical Power (CW)	P	500	mW
Max. Tensile Load		5	N
Fiber Type		PM 980 fiber on Common & Pass Port PM 980 or HI 1060 fiber on Reflect Port	-
Operating Temperature	T	-5~75	°C
Storage Temperature	T	-40~85	°C
Package Dimension		Φ5.5×L35	mm

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

Drawing:



Ordering Information (Part Number):

PFWDM- WWW/WWW - A - FF - J - LL - CC					
WWW/WWW	A	FF	J	LL	CC
Wavelength	Working Axis	Fiber Type on Reflect Port	Fiber Jacket	Fiber Length	Connector
780/1030 - 780nm Pass, 1030nm Reflect	F - Fast Axis Blocked Slow Axis Working	P9 - PM 980 H1 - HI 1060	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
780/1050 - 780nm Pass, 1050nm Reflect	B - Both Axes Working				
780/1060 - 780nm Pass, 1060nm Reflect					