

## 50G 1x2 PM DWDM

1x2 PM Dense Wavelength Division Multiplexer (DWDM) is a fiber component built with thin-film filter technology, it can be used to separate or combine DWDM wavelength signal with PM Panda fiber, it's widely used in Fiber DWDM Systems and Fiber Optic Sensor Systems, the high power type is available upon request.

### Application:

DWDM System  
Fiber Optic Sensor  
Optical Diffraction System  
Lab And Research

### Features:

Epoxy Free  
High Isolation  
Low Insertion Loss  
Optical Path Reversibility



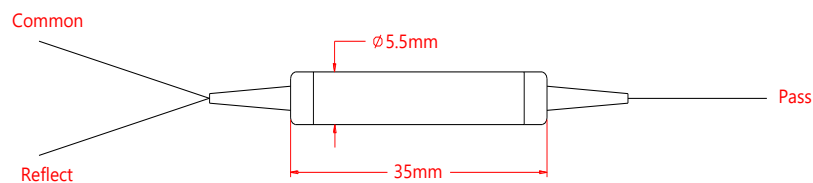
### Specification:

Parameter	Symbol	Value	Unit
Center Wavelength	$\lambda$	ITU Grid	nm
Channel Spacing		50	GHz
Pass Band		0.1	nm
Max. Insertion Loss @Pass Channel	IL	1.0	dB
Max. Insertion Loss @Reflect Channel	IL	0.7	dB
Min. Isolation @Pass Channel	Iso	25	dB
Min. Isolation @Reflect Channel	Iso	13	dB
Max. Channel Flatness		0.5	dB
Min. Extinction Ratio	ER	20	dB
Max. IL Thermal Stability		0.005	dB/°C
Min. Directivity		50	dB
Min. Return Loss	RL	45	dB
Max. Optical Power (CW)	P	500	mW
Max. Tensile Load		5	N
Fiber Type		PM 1550 Panda fiber	-
Operating Temperature	T	-5~75	°C
Storage Temperature	T	-40~85	°C
Package Dimension		$\Phi 5.5 \times L35$	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):

PDWDM-WWW-SS-A-J-LL-CC					
WWW	SS	A	J	LL	CC
Wavelength	Channel Spacing	Working Axis	Fiber Jacket	Fiber Length	Connector
C01 - 1577.03nm H01 - 1576.61nm . . . C60 - 1529.55nm H60 - 1529.16nm	50 - 50GHz	F - Fast Axis Blocked Slow axis Working B - Both Axes Working	B - 250um Bare Fiber 9 - 900um Loose Tube 2 - 2.0mm Loose Tube 3 - 3.0mm 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