

## 100G, 200G 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



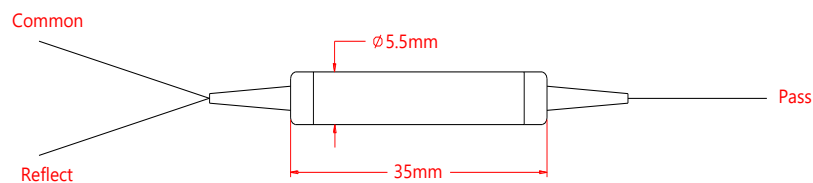
### Specification:

Parameter	Symbol	Value		Unit
Center Wavelength	$\lambda$	ITU Grid		nm
Channel Spacing		100	200	GHz
Pass Band		0.3	0.5	nm
Max. Insertion Loss @Pass Channel	IL	1.0	0.9	dB
Max. Insertion Loss @Reflect Channel	IL	0.6	0.5	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		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):

PDWDM- <b>WWW</b> - <b>SSS</b> - <b>A</b> - <b>J</b> - <b>LL</b> - <b>CC</b>					
<b>WWW</b>	<b>SSS</b>	<b>A</b>	<b>J</b>	<b>LL</b>	<b>CC</b>
Wavelength	Channel Spacing	Working Axis	Fiber Jacket	Fiber Length	Connector
C01 - 1577.03nm	100 - 100GHz	F - Fast Axis Blocked	B - 250um Bare Fiber	05 - 0.5m	NE - None
H01 - 1576.61nm	200 - 200GHz	Slow axis Working	9 - 900um Loose Tube	10 - 1.0m	FA - FC/APC
.		B - Both Axes Working	2 - 2.0mm Loose Tube	15 - 1.5m	FU - FC/UPC
.			3 - 3.0mm Loose Tube	20 - 2.0m	SA - SC/APC
.				SS - Specify	SU - SU/APC
C60 - 1529.55nm					LA - LC/APC
H60 - 1529.16nm					LU - LC/UPC
					SS - Specify