

## 1310&1490/1550nm 1x2 Filter WDM

1310&1490/1550nm Wavelength Division Multiplexer is a fiber component built with thin-film filter technology, it can be used to separate or combine 1310,1490nm and 1550nm wavelength signal, it's widely used in CATV Systems and Fiber Optic Testing Systems, the high power type is available upon request.

### Application:

CATV  
FTTx  
Testing Instrument  
Lab And Research

### Features:

Epoxy Free  
High Isolation  
Low Insertion Loss  
Optical Path Reversibility



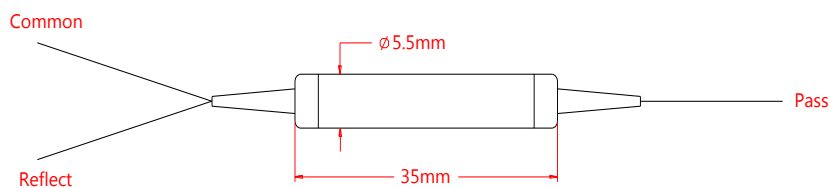
### Specification:

Parameter	Symbol	Value	Unit
Type		P1310&1490 R1550	nm
Pass Band	$\lambda$	1310, 1490 (1260-1500)	nm
Reflect Band	$\lambda$	1550 (1540-1560)	nm
Max. Insertion Loss @Pass Channel	IL	0.6	dB
Max. Insertion Loss @Reflect Channel	IL	0.4	dB
Min. Isolation @Pass Channel	Iso	30	dB
Min. Isolation @Reflect Channel	Iso	15	dB
Max. Insertion Loss Temperature Sensitivity		0.5	dB
Max. Polarization Dependent Loss	PDL	0.1	dB
Max. Polarization Mode Dispersion	PMD	0.1	ps
Min. Directivity		50	dB
Min. Return Loss	RL	50	dB
Max. Optical Power (CW)	P	500	mW
Max. Tensile Load		5	N
Fiber Type		SMF-28e 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, RL will be 5dB lower.

### Drawing:



### Ordering Information (Part Number):

FWDM- <b>WWW/WWW</b> - <b>D</b> - <b>J</b> - <b>LL</b> - <b>CC</b>				
<b>WWW/WWW</b>	<b>D</b>	<b>J</b>	<b>LL</b>	<b>CC</b>
Wavelength	Package Dimension	Fiber Jacket	Fiber Length	Connector
1314/15 - 1310&1490nm Pass, 1550nm Reflect	1 - $\Phi 5.5 \times L35$ mm 2 - 90x20x10mm S - Specify	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