

## 1x2 DWDM

1x2 Dense Wavelength Division Multiplexer (DWDM) is a fiber component built with thin-film filter technology, it allows one specific DWDM wavelength to pass and reflect the other, it's widely used in WDM access network and fiber amplifier systems, the high isolation type is available upon request.

### Application:

Telecommunication  
WDM Access Network  
Fiber Optic Amplifier  
Lab And Research

### Features:

Epoxy Free  
High Isolation  
Low Insertion Loss  
Optical Path Reversibility



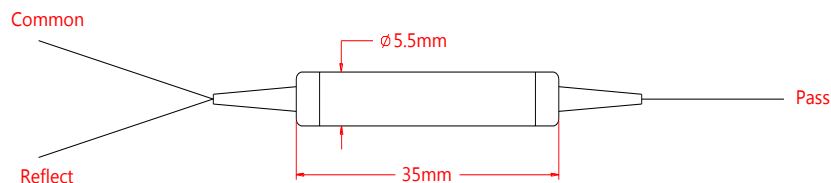
### Specification:

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	30	dB
Min. Isolation @Reflect Channel	Iso	13	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	45	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):

DWDM- <b>WWW</b> - <b>SSS</b> - <b>D</b> - <b>J</b> - <b>LL</b> - <b>CC</b>					
<b>WWW</b>	<b>SSS</b>	<b>D</b>	<b>J</b>	<b>LL</b>	<b>CC</b>
Wavelength	Channel Spacing	Package Dimension	Fiber Jacket	Fiber Length	Connector
<b>C01</b> - 1577.03nm	100 - 100GHz	1 - $\Phi 5.5 \times L35$ mm	<b>B</b> - 250um Bare Fiber	<b>05</b> - 0.5m	<b>NE</b> - None
<b>H01</b> - 1576.61nm	200 - 200GHz	2 - 90x20x10mm	<b>9</b> - 900um Loose Tube	<b>10</b> - 1.0m	<b>FA</b> - FC/APC
.		<b>S</b> - Specify	<b>2</b> - 2.0mm Loose Tube	<b>15</b> - 1.5m	<b>FU</b> - FC/UPC
.			<b>3</b> - 3.0mm Loose Tube	<b>20</b> - 2.0m	<b>SA</b> - SC/APC
.				<b>SS</b> - Specify	<b>SU</b> - SU/APC
<b>C60</b> - 1529.55nm					<b>LA</b> - LC/APC
<b>H60</b> - 1529.16nm					<b>LU</b> - LC/UPC
					<b>SS</b> - Specify