

## 980/1550nm 1x2 Fused WDM

980/1550nm Fused Wavelength Division Multiplexer is a fiber component built with FBT technology, it can be used to separate or combine 980nm and 1550nm wavelength signal, it's widely used in Fiber Laser Systems and Fiber Amplifier Systems, the high power type is available upon request.

### Application:

Fiber Laser  
EDFA  
Optical Diffraction System  
Lab And Research

### Features:

Epoxy Free  
High Isolation  
Low Insertion Loss  
Optical Path Reversibility



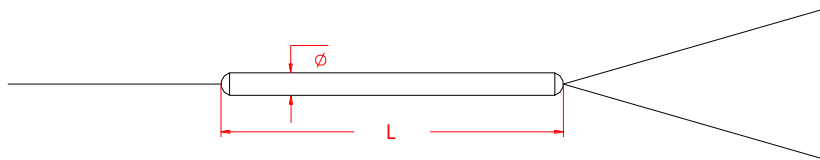
### Specification:

Parameter	Symbol	Value	Unit
Wavelength	$\lambda$	980/1550	nm
Bandwidth	BW	980 $\pm$ 10/1550 $\pm$ 20	nm
Max. Insertion Loss	IL	0.2	dB
Min. Isolation	Iso	20	dB
Max. Polarization Dependent Loss	PDL	0.1	dB
Min. Directivity		55	dB
Min. Return Loss	RL	50	dB
Max. Optical Power (CW)	P	2	W
Max. Tensile Load		5	N
Fiber Type		OFS980, HI 1060 or HI 1060 Flex	-
Operating Temperature	T	-40~85	$^{\circ}$ C
Storage Temperature	T	-40~85	$^{\circ}$ C
Package Dimension		$\Phi$ 3.0 $\times$ L54	mm

Notice: Above specifications are tested at center wavelength without connector in room temperature @23 $^{\circ}$ C.

For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower, Connectors only 1W CW optical power guarantee.

### Drawing:



### Ordering Information (Part Number):

FUWDM- <b>WWW/WWW</b> - <b>PP</b> - <b>FF</b> - <b>D</b> - <b>J</b> - <b>LL</b> - <b>CC</b>						
<b>WWW/WWW</b>	<b>PP</b>	<b>FF</b>	<b>D</b>	<b>J</b>	<b>LL</b>	<b>CC</b>
Wavelength	Port	Fiber Type	Package Dimension	Fiber Jacket	Fiber Length	Connector
980/1550 - 980/1550nm	12 - 1x2	O9 - OFS980	1 - $\Phi$ 3.0 $\times$ L54mm	B - 250um Bare Fiber	05 - 0.5m	NE - None
980/1590 - 980/1590nm	22 - 2x2	H1 - HI 1060 HF - HI 1060 Flex SS - Specify	A - 90x20x10mm S - Specify	9 - 900um Loose Tube 2 - 2.0mm Loose Tube 3 - 3.0mm Loose Tube	10 - 1.0m 15 - 1.5m 20 - 2.0m SS - Specify	FA - FC/APC FU - FC/UPC SA - SC/APC SU - SU/APC LA - LC/APC LU - LC/UPC SS - Specify