

980/1590nm 1x2 Fused WDM

980/1590nm Fused Wavelength Division Multiplexer is a fiber component built with FBT technology, it can be used to separate or combine 980nm and 1590nm 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



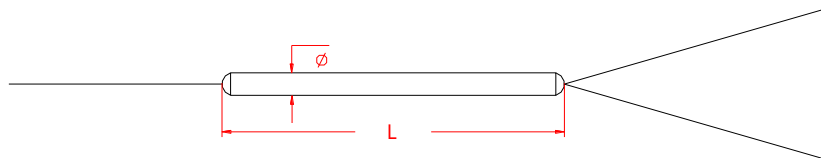
Specification:

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