

1550/980nm 1x2 Filter WDM

1550/980nm 1x2 Filter WDM is a fiber component built with thin-film filter technology, it can be used to separate or combine 1550nm and 980nm wavelength signal, it's widely used in Fiber Laser Systems and EDFA Systems, the high power type is available upon request.

Application:

Fiber Laser
EDFA System
Optical Diffraction System
Lab And Research

Features:

Epoxy Free
High Isolation
Low Insertion Loss
Optical Path Reversibility



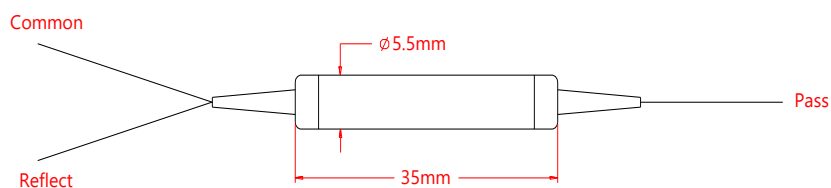
Specification:

Parameter	Symbol	Value	Unit
Type		P1550 R980	nm
Pass Band	λ	1550 (1510-1600)	nm
Reflect Band	λ	980 (965-1000)	nm
Max. Insertion Loss @Pass Channel	IL	0.9	dB
Max. Insertion Loss @Reflect Channel	IL	0.7	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
Min. Directivity		50	dB
Min. Return Loss	RL	50	dB
Max. Optical Power (CW)	P	500 or customized	mW
Max. Tensile Load		5	N
Fiber Type		SMF-28e on Com & Pass Port HI 1060 or SMF-28e on Reflect Port	-
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- WWW/WWW -D-J-LL-CC				
WWW/WWW	FF	J	LL	CC
Wavelength	Fiber Type on Reflect Port	Fiber Jacket	Fiber Length	Connector
1530/980 - 1530nm Pass, 980nm Reflect	H1 - HI 1060	B - 250um Bare Fiber	05 - 0.5m	NE - None
1550/980 - 1550nm Pass, 980nm Reflect	S2 - SMF-28e	9 - 900um Loose Tube	10 - 1.0m	FA - FC/APC
1560/980 - 1560nm Pass, 980nm Reflect	SS - Specify	2 - 2.0mm Loose Tube	15 - 1.5m	FU - FC/UPC
1570/980 - 1570nm Pass, 980nm Reflect		3 - 3.0mm Loose Tube	20 - 2.0m	SA - SC/APC
1580/980 - 1580nm Pass, 980nm Reflect			SS - Specify	SU - SU/APC
				LA - LC/APC
				LU - LC/UPC
				SS - Specify