1310/1550nm 1x2 Filter WDM

1310/1550nm Wavelength Division Mulitplexer is a fiber component built with thin-film filter technology, it can be used to sepreate or combine 1310nm 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:

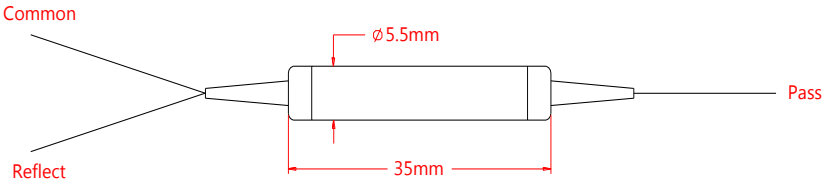
Epoxy Free
High Isolation
Low Insertion Loss
Optical Path Reversibility

Specification:

Parameter	Symbol	Value		Unit
Type		P1310 R1550	P1550 R1310	nm
Pass Band	λ	1310 (1260-1360)	1550 (1460-1620)	nm
Reflect Band	λ	1550 (1460-1620)	1310 (1260-1360)	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. Tensil Load		5		N
Fiber Type		SMF-28e fiber		-
Operating Temperature	T	-5~75		℃
Storage Temperature	T	-40~85		℃
Package Dimension		Φ5.5×L35		mm

Notice: Above specifications are tested at center wavelength without connector in room temperature @23℃.
For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower.

Drawing:



Ordering Information (Part Number):

FWDM-WWWW/WWWW-D-J-LL-CC

WWWW/WWWW	D	J	LL	CC
Wavelength	**Package Dimension**	**Fiber Jacket**	**Fiber Length**	**Connector**
1310/1550 - 1310nm Pass, 1550nm Reflect 1550/1310 - 1550nm Pass, 1310nm Reflect	1 - Φ5.5×L35mm 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