

1550/1310&1490nm 1x2 Filter WDM

1550/1310&1490nm Wavelength Division Multiplexer is a fiber component built with thin-film filter technology, it can be used to separate or combine 1550nm and 1310, 1490nm wavelength signal, it's widely used in CATV Systems and Fiber Optic Testing Systems, the high power type is available upon request.

Application:

CATV
FTTx
Testing Instrument
Lab And Research

Features:

Epoxy Free
High Isolation
Low Insertion Loss
Optical Path Reversibility



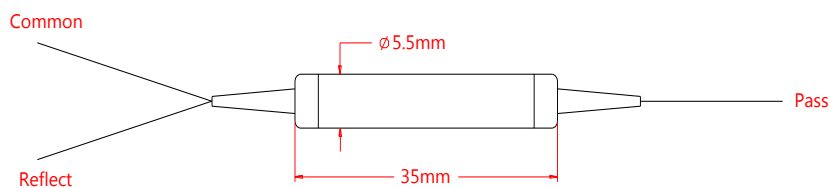
Specification:

Parameter	Symbol	Value	Unit
Type		P1550 R1310&1490	nm
Pass Band	λ	1550 (1540-1560)	nm
Reflect Band	λ	1310, 1490 (1260-1500)	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. 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):

FWDM-WW/WWWW-D-J-LL-CC				
WW/WWWW	D	J	LL	CC
Wavelength	Package Dimension	Fiber Jacket	Fiber Length	Connector
15/1314 - 1550nm Pass, 1310&1490nm Reflect	1 - $\Phi 5.5 \times L35$ mm 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