

850/1310nm 1x2 Multimode Filter WDM

850/1310nm Multimode Wavelength Division Multiplexer is a fiber component built with thin-film filter technology, it can be used to separate or combine 850nm and 1310nm 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



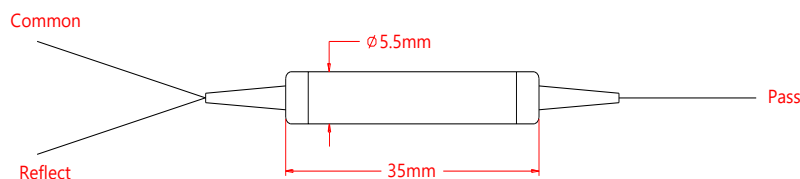
Specification:

Parameter	Symbol	Value		Unit
Type		P1310 R850	P850 R1310	nm
Pass Band	λ	1310 $\pm$ 50	850 $\pm$ 50	nm
Reflect Band	λ	850 $\pm$ 50	1310 $\pm$ 50	nm
Max. Insertion Loss @Pass Channel	IL	0.7		dB
Max. Insertion Loss @Reflect Channel	IL	0.6		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. Wavelength Thermal Stability		0.003		nm/ $^{\circ}$ C
Max. IL Thermal Stability		0.005		dB/ $^{\circ}$ C
Min. Directivity		35		dB
Min. Return Loss	RL	30		dB
Max. Optical Power (CW)	P	500		mW
Max. Tensile Load		5		N
Fiber Type		50/125 or 62.5/125		-
Operating Temperature	T	0~70		$^{\circ}$ C
Storage Temperature	T	-40~85		$^{\circ}$ C
Package Dimension		Φ 5.5 $\times$ L35		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.

Drawing:



Ordering Information (Part Number):

MMFWDM- WWW/WWW - FF - J - LL - CC				
WWW/WWW	FF	J	LL	CC
Wavelength	Fiber Type	Fiber Jacket	Fiber Length	Connector
1310/850 - 1310nm Pass, 850nm Reflect	M5 - 50/125 MM Fiber M6 - 62.5/125 MM Fiber	B - 250um Bare Fiber 9 - 900um 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
850/1310 - 850nm Pass, 1310nm Reflect	SS - Specify			