

1700/1550nm 1x2 Filter WDM

1700/1550nm Wavelength Division Multiplexer is a fiber component built with thin-film filter technology, it can be used to separate or combine 1700nm 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
Fiber Amplifier
Optical Diffraction System
Lab And Research

Features:

Epoxy Free
High Isolation
Low Insertion Loss
Optical Path Reversibility



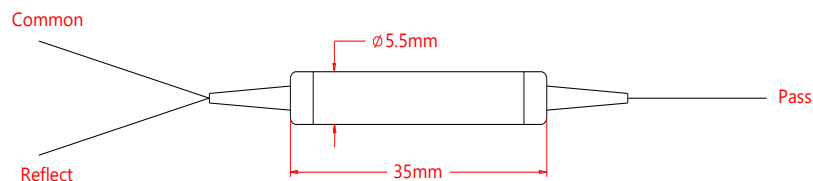
Specification:

Parameter	Symbol	Value	Unit
Type		P1700 R1550	nm
Pass Band	λ	1700 (1680-1800)	nm
Reflect Band	λ	1550 (1500-1600)	nm
Max. Insertion Loss @Pass Channel	IL	0.9	dB
Max. Insertion Loss @Reflect Channel	IL	0.9	dB
Min. Isolation @Pass Channel	Iso	25	dB
Min. Isolation @Reflect Channel	Iso	15	dB
Max. Insertion Loss Temperature Sensitivity		0.5	dB
Max. Polarization Dependent Loss	PDL	0.15	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		SM 1950 or SMF-28e	-
Operating Temperature	T	-5~75	°C
Storage Temperature	T	-40~85	°C
Package Dimension		Φ5.5×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 - FF - J - LL - CC				
WWW / WWW	FF	J	LL	CC
Wavelength	Fiber Type on all Port	Fiber Jacket	Fiber Length	Connector
1700/1550 - 1700nm Pass, 1550nm Reflect	S1 - SM 1950 Fiber	B - 250um Bare Fiber	05 - 0.5m	NE - None
1700/1560 - 1700nm Pass, 1560nm Reflect	S2 - SMF-28e Fiber	9 - 900um Loose Tube	10 - 1.0m	FA - FC/APC
1700/1570 - 1700nm Pass, 1570nm Reflect	SS - Specify		15 - 1.5m	FU - FC/UPC
			20 - 2.0m	SS - Specify
			SS - Specify	