

808, 1550nm 1x2 Filter WDM

808/1550nm Wavelength Division Multiplexer is a fiber component built with thin-film filter technology, it can be used to separate or combine 808nm 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



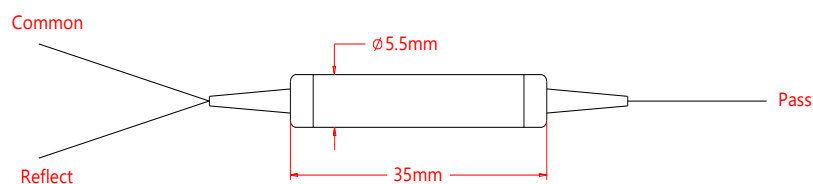
Specification:

Parameter	Symbol	Value	Unit
Type		P1550 R808	nm
Pass Band	λ	1550 (1460-1620)	nm
Reflect Band	λ	808 (800-850)	nm
Max. Insertion Loss @Pass Channel	IL	1.0	dB
Max. Insertion Loss @Reflect Channel	IL	0.8	dB
Min. Isolation @Pass Channel	Iso	20	dB
Min. Isolation @Reflect Channel	Iso	15	dB
Max. Insertion Loss Temperature Sensitivity		0.5	dB
Max. Polarization Dependent Loss	PDL	0.15	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		HI 780 or SMF-28e fiber	-
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-D-J-LL-CC				
WWW/WWW	D	J	LL	CC
Wavelength	Package Dimension	Fiber Jacket	Fiber Length	Connector
1550/800 - 1550nm Pass, 800nm Reflect	1 - Φ5.5×L35mm	B - 250um Bare Fiber	05 - 0.5m	NE - None
1550/808 - 1550nm Pass, 808nm Reflect	2 - 90x20x10mm	9 - 900um Loose Tube	10 - 1.0m	FA - FC/APC
1550/810 - 1550nm Pass, 810nm Reflect	S - Specify		15 - 1.5m	FU - FC/UPC
			20 - 2.0m	SA - SC/APC
			SS - Specify	SU - SU/APC
				LA - LC/APC
				LU - LC/UPC
				SS - Specify