High Power 1550/1480nm 1x2 Filter WDM

High Power 1550/1480nm Wavelength Division Mulitplexer is a fiber component built with thin-film filter technology, it can be used to sepreate or combine 1550nm and 1480nm wavelength signal, it's widely used in Fiber Laser Systems and Fiber Amplifier Systems, the handling power can be customized.

Application:

Fiber Laser
EDFA
Optical Diffraction System
Lab And Research

Features:

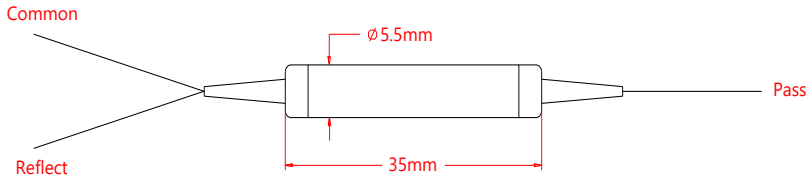
High Power
High Isolation
Low Insertion Loss
Optical Path Reversibility

Specification:

Parameter	Symbol	Value	Unit
Type		P1550 R1480	nm
Pass Band	λ	1550 (1520-1600)	nm
Reflect Band	λ	1480 (1440-1490)	nm
Max. Insertion Loss @Pass Channel	IL	0.6	dB
Max. Insertion Loss @Reflect Channel	IL	0.5	dB
Min. Isolation @Pass Channel	Iso	30	dB
Min. Isolation @Reflect Channel	Iso	13	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		55	dB
Min. Return Loss	RL	50	dB
Max. Optical Power (CW)	P	1, 2, 3, 5 or specify	W
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. connectors only 1W CW optical power guarantee.

Drawing:



Ordering Information (Part Number):

HPFWDM-WWW/WWWW-HH-D-J-LL-CC

WWW/WWWW	HH	D	J	LL	CC
Wavelength	**Handling Power**	**Package Dimension**	**Fiber Jacket**	**Fiber Length**	**Connector**
1550/1480 - 1550nm Pass, 1480nm Reflect	01 - 1W 02 - 2W 03 - 3W 05 - 5W SS - Specify	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