

530/558nm 1x2 Filter WDM

530/558nm 1x2 Filter WDM is a fiber component built with thin-film filter technology, it can be used to separate or combine 530nm and 558nm wavelength signal, it's widely used in Fiber Laser Systems and Quantum Communication Systems, the high power type is available upon request.

Application:

Fiber Laser
Quantum Communication
Optical Diffraction System
Lab And Research

Features:

Epoxy Free
High Isolation
Low Insertion Loss
Optical Path Reversibility



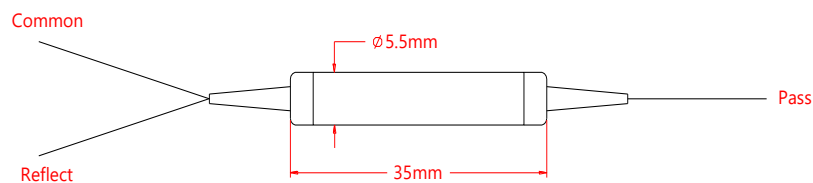
Specification:

Parameter	Symbol	Value	Unit
Type		P530 R558	nm
Pass Band	λ	530 (525-535)	nm
Reflect Band	λ	558 (548-568)	nm
Max. Insertion Loss @Pass Channel	IL	1.2	dB
Max. Insertion Loss @Reflect Channel	IL	1.0	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	0.2	dB
Min. Directivity		50	dB
Min. Return Loss	RL	50	dB
Max. Optical Power (CW)	P	500	mW
Max. Tensile Load		5	N
Fiber Type		460-HP 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 - FF - J - LL - CC				
WWW/WWW	FF	J	LL	CC
Wavelength	Fiber Type On Reflect Port	Fiber Jacket	Fiber Length	Connector
530/558 - 530nm Pass, 558nm Reflect	4H - 460-HP SS - Specify	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