



Filter Wavelength Division Multiplexer (FWDM Series)

The Filter Wavelength Division Multiplexer series are based on environmentally stable Thin Film Filters technology. The devices combine or separate light at different wavelength in a wide wavelength range. They offer very low insertion loss, low polarization dependence, high isolation and excellent environmental stability. High power handling capability can be achieved through unique pigtail processing and high quality AR coating. These components have been extensively used in EDFA, Raman amplifier, WDM networks and fiber optics instrumentation.



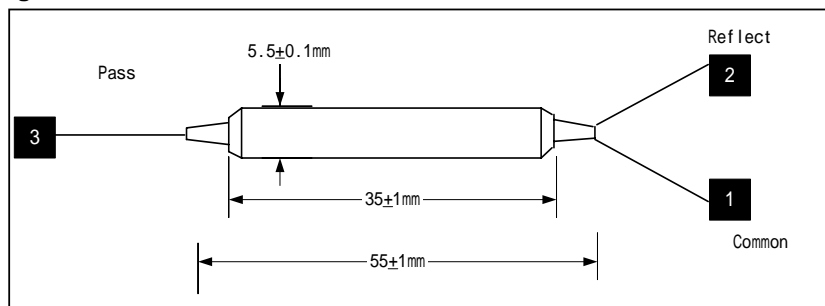
Specifications

Parameters		Unit	Values		
PassBand	Wavelength Range	nm	1270-1350(1530-1600)	1450-1490(1530-1580)	1500-1520(1530-1570)
	Typ. Insertion Loss	dB	0.4	0.4	0.5
	Max. Insertion Loss	dB	0.6	0.6	0.7
	Typ. Isolation	dB	35	30	35
	Min. Isolation	dB	30	25	30
Reflection Band	Wavelength Range	nm	1530-1600(1270-1350)	1530-1580(1450-1490)	1530-1570(1500-1520)
	Typ. Insertion Loss	dB		0.4	
	Max. Insertion Loss	dB		0.5	
	Typ. Isolation	dB		12	
	Min. Isolation	dB		10	
Optical Return Loss		dB	50		
Max. PDL		dB	0.1		
Typ. PDL		dB	0.05		
Thermal Stability		dB/	0.005		
Max. Optical Power		mW	300		
Max. Tensile Load		N	5		
Fiber Type			Corning SMF-28		
Operating Temperature			-5 to +70		
Storage Temperature			-40 to +85		

*Above specification are for device without connector.

*For devices with connectors, insertion loss will be 0.3dB higher, RL will be 5dB lower.

Package Dimensions



Ordering Information

FWDM-

: Wavelength

3155 - 1310 Pass / 1550 Reflect

5531 - 1310 Reflect / 1550 Pass

4855 - 1480 Pass / 1550 Reflect

5548 - 1480 Reflect / 1550 Pass

5155 - 1510 Pass / 1550 Reflect

5551 - 1510 Reflect / 1550 Pass

: ConnectorType

1 - FC/UPC

2 - ST/UPC

3 - LC/UPC

4 - FC/APC

5 - SC/APC

6 - SC/UPC

S - Specify

N - None

: Fiber Type

B - 250 um bare fiber

L - 900 um loose tube

: Fiber Length

1 - 1.0 m

S - Specify