

Filter Wavelength Division Multiplexer



Features

Low Insertion Loss
 Low Polarization Dependence
 High Isolation
 Excellent Environmental Stability

Applications

EDFAs
 Raman Amplifier
 WDM Networks
 Fiber Optics Instrumentation

Specifications

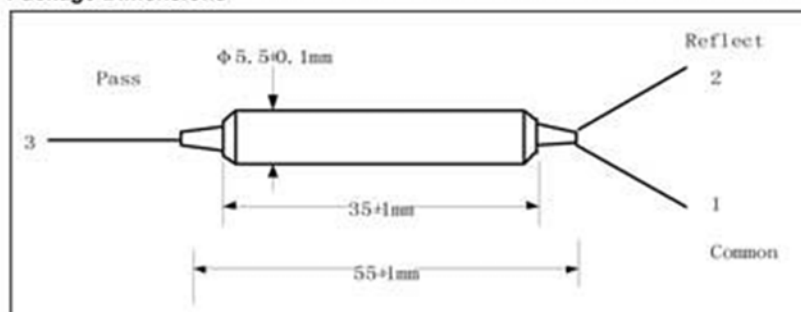
Parameters		Unit	Values			
Pass Band	Wavelength Range	nm	1270-1350 (1530-1600)	1450-1490 (1530-1580)	1500-1520 (1530-1570)	950-1010 (1500-1600)
	Typ. Insertion Loss	dB	0.4	0.4	0.5	0.5
	Max. Insertion Loss	dB	0.6	0.6	0.7	0.7
	Typ. Isolation	dB	35	30	35	35
	Min. Isolation at 23°C	dB	30	25	30	30
Reflection Band	Wavelength Range	nm	1530-1600 (1270-1350)	1530-1580 (1450-1490)	1530-1570 (1500-1520)	1500-1600 (950-1010)
	Typ. Insertion Loss	dB	0.3			
	Max. Insertion Loss	dB	0.5			
	Typ. Isolation	dB	15			
	Min. Isolation at 23°C	dB	12			
Min. Optical Return Loss		dB	50			
Max. PDL		dB	0.1			
Typ. PDL		dB	0.05			
Thermal Stability		dB/°C	≤0.005			
Max. Optical Power (CW)		mW	500			
Max. Tensile Load		N	5			
Fiber Type			SMF-28e Fiber	SMF-28e Fiber	SMF-28e Fiber	HI 1060 Fiber for Pump Channel (Two Ports)
Operating Temperature		°C	-5 to +70			
Storage Temperature		°C	-40 to +85			

*Above specifications are for device without connector.

*For devices with connectors, IL will be 0.3dB higher and RL will be 5dB lower.

*SMF-28e Fiber is used for 1550nm interface and HI 1060 Fiber is used for 980nm channel.

Package Dimensions



Ordering Information

FWDM-①①①①-②②②-③③③-④

①①①①: Wavelength

3155 - 1310nm Pass / 1550nm Reflect

5531 - 1550nm Pass / 1310nm Reflect

4855 - 1480nm Pass / 1550nm Reflect

5548 - 1550nm Pass / 1480nm Reflect

5155 - 1510nm Pass / 1550nm Reflect

5551 - 1550nm Pass / 1510nm Reflect

9855 - 980nm Pass / 1550nm Reflect

5598 - 1550nm Pass / 980nm Reflect

②②②: Connector Type on Port 1, 2 & 3

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

N - None

S - Specify

③③③: Fiber Jacket on Port 1, 2 & 3

B - 250um Bare Fiber

L - 900um Loose Tube

S - Specify

④: Fiber Length

1 - 1.0m

S - Specify