



2 μ m Filter Wavelength Division Multiplexer (FWDM Series)

Rev 11C

Description

The 2 μ m Filter Wavelength Division Multiplexer series is based on environmentally stable thin-film filter technology. The devices combine or separate light at different wavelengths 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.

Key Features

- High Isolation
- Low Insertion Loss
- Low Polarization Dependent Loss

Applications

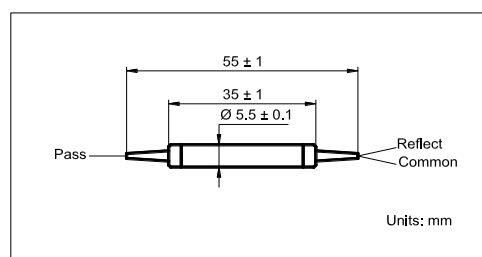
- Fiber Optic Instruments
- Equipment

Specifications

Parameter		Unit	Value	
Pass Band	Wavelength Range	nm	1950 - 2050	
	Typ. Insertion Loss	dB	0.6	
	Max. Insertion Loss	dB	0.8	
	Typ. Isolation	dB	30	
	Min. Isolation	dB	25	
Reflection Band	Wavelength Range	nm	1560 - 1580	
	Typ. Insertion Loss	dB	0.6	
	Max. Insertion Loss	dB	0.8	1.3
	Typ. Isolation	dB	15	
	Min. Isolation	dB	12	
Min. Return Loss		dB	50	
Max. Polarization Dependent Loss		dB	0.2	
Typ. Polarization Dependent Loss		dB	0.1	
Thermal Stability		dB/°C	0.005	
Max. Optical Power (Continuous Wave)		mW	300	
Max. Tensile Load		N	5	
Fiber Type	-	SMF-28 Fiber (All Ports)	SMF-28 Fiber for Reflect Port and	
	-	or SM1950 Fiber (All Ports)	SM1950 Fiber for Common & Pass Port	
Operating Temperature		°C	- 5 to + 70	
Storage Temperature		°C	- 40 to + 85	

¹IL is 0.3 dB higher, RL is 5 dB lower for each connector added.

Package Dimensions



Ordering Information

FWDM-①①①①-②-③-④-⑤

①①①①: Wavelength

2057 - 2000 Pass/1570 Reflection

SSSS - Specify

②: Fiber Type

1 - SMF-28 Fiber (All Ports)

2 - SM1950 Fiber (All Ports)

3 - SMF-28 Fiber for Reflect Port and

SM1950 Fiber for Common & Pass Port

③: Connector Type

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

N - None

S - Specify

④: Fiber Jacket

B - 250 μ m Bare Fiber

L - 900 μ m Loose Tube

S - Specify

⑤: Fiber Length

1 - 1.0 m

S - Specify