

1550/2000nm Filter WDM

Key Features

- Low Insertion Loss
- Wide Operating Wavelength Range
- Ultra Flat Wide Passband
- High Channel Isolation
- High Stability and Reliability

The 1550/2000nm Filter Wavelength Division Multiplexer is based on environmentally stable thin-film filter 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 fiber laser, Raman amplifiers, WDM networks and fiber optical instruments.

Applications

- System Monitoring
- WDM System
- Transmitters and Fiber Lasers
- Fiber Optical Amplifier
- Fiber Optic Instruments



For more Info

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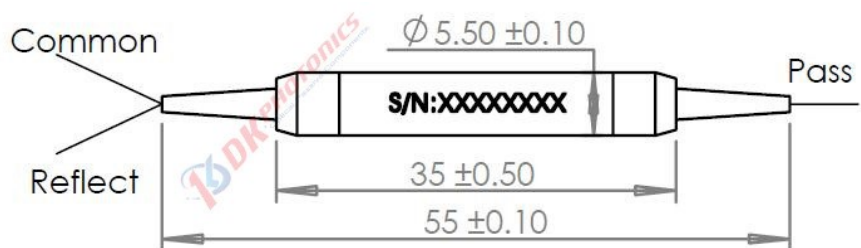
Add.:

4F, Bldg. 18, Qinghu Industrial Park,

Dahe Road, Longhua Dis.,

Shenzhen, China 518109

Package Dimension:



*Due to ongoing design improvements, the package size is subject to change. Please contact DK Photonics for confirmation if you have special requirements.

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Performance Specifications

Parameter	Unit	Values
Transmission Wavelength Range	nm	1950~2050
Reflect Wavelength Range	nm	1520~1580
Max. Insertion Loss	Transmission	0.8 (Typ.0.6)
	Reflect	0.8 1.0
Min. Isolation	Transmission	25
	Reflect	12
Max. PDL	dB	0.10
Min. Channel Flatness	dB	0.3
Min. Return Loss	dB	50
Max. Power Handling (CW)	W	0.5, 2, 5, 10
Max. Tensile Load	N	5
Fiber Type	-	SMF-28e(all ports) or SM1950 fiber (all ports) SMF-28e fiber on R port, SM1950 fiber on C & P port
Operating Temperature	°C	-5 to +70
Storage Temperature	°C	-40 to +85
Package Dimensions	mm	Φ5.5× L35(<5W), 60x12x8(>5W)

1. Above specification are for device without connector, and may change without notice.
2. IL is 0.3 dB higher and RL is 5 dB lower for each connector added.
3. The pass optical power is 2 W only for connector added.
4. For high power applications, we will use heat sink package, contact DK Photonics for details.

Order information P/N: FWDM-①-②-③-④-⑤-⑥

When you inquire, please provide the correct P/N number according to our ordering information, and attach the appropriate description would be better. If need any connector, we do not recommend choosing a 250μm bare fiber pigtail.

①	②	③	④	⑤	⑥
Wavelength	Power Handling	Fiber Type	Pigtails Diameter	Fiber Length	Connector
2055: 2000nm pass/1550nm reflect	L:<0.5W 1:1W 2:2W	1: SMF-28e for all ports 2: SM1950 for all ports 3: SMF-28e for R, SM1950 for C & P port X: other	25:250μm bare fiber 90:900μm loose tube XX: Others	05:0.5m 08:0.8m 10:1.0m XX: Others	00: None FP: FC/PC FA: FC/APC XX: Others

Part Number Example: FWDM-2055-L-1-90-10-FA

Description: 1550/2000nm Filter WDM - 0.5W, 2000nm pass/1550nm reflect with 0.9mm OD loose tube, SMF-28e for all ports, 1.0m fiber length, and FC/APC connectors at all ports.

Ordering Information for Custom Parts

If you need to customize other specifications, please provide detailed description for your requirement.