

BUY NOW 

2 μm Filter Wavelength Division Multiplexer

(polarization independent and polarization maintain)

Product Description

The 2 μm Filter Wavelength Division Multiplexer series 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.



Features

- High Power Handling
- Low IL
- High Reliability & Stability
- Cost Effective

Performance Specifications

2um Filter based WDM	Typical	Unit
Pass Band	2000 ± 50	nm
Insertion Loss ¹	0.8	dB
Isolation ²	25	dB
Extinction Ratio ²	20	dB
PDL ³	0.2	dB
Reflection Band	1560~1580	nm
Insertion Loss ⁴	0.8	dB
Isolation ¹	12	dB
Thermal Stability	≤ 0.005	dB/°C
Return Loss	55	dB
Directivity	55	dB
Average Optical Power Handling ⁵	300	mW
Fiber Type	SMF-28 / SM 1950 / PM 1550 /PM 1950	
Operating temperature	-5 ~ 70	°C
Storage temperature	-40 ~ 85	°C

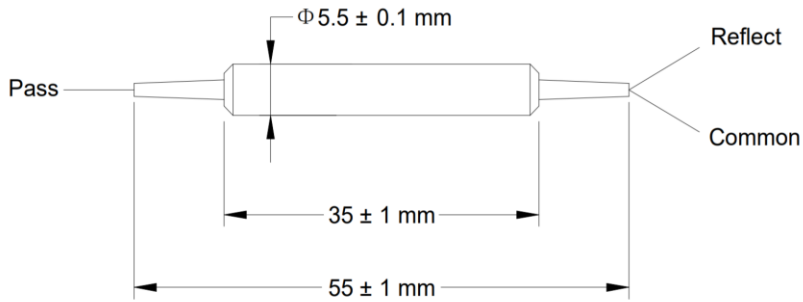
Note:
 1. Measured without connectors at center wavelength and 23°C
 2. PM version only
 3. SM version only
 4. Depends on fiber type, 1950 series fiber may have higher loss up to 1.3 db.
 5. Continuous operation.

Applications

- Laser Pump Source
- Optical Fiber Amplifier
- Laser Manufacturing
- Test and Measurement

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Mechanical Dimensions (mm)



*Product dimensions may change without notice. This is sometimes required for non-standard specifications.

Ordering Information

WDMF-	A 2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Wavelength	Input Fiber	Output Fiber	Fiber Type	Fiber Length	Connector
		1570/2000=12 Special=00	SMF-28e=1 PM1550 =2 SM1950 =3 PM1950 =4 Special =0	SMF-28e=1 PM1550 =2 SM1950 =3 PM1950 =4 Special =0	Bare fiber=1 900um tube=2 Special=0	1.0 M =1 Special=0	None=1 FC/PC=2 FC/APC=3 SC/PC=4 SC/APC=5 ST/PC=6 LC=7 Special=0