



High Power Polarization Maintaining Filter Wavelength Division Multiplexer 5598nm

Features

Wide Pass Band
Low Insertion Loss
High Return Loss
Excellent Environmental Stability
High Power Handling Capability

Applications

Fiber Lasers
Fiber Amplifiers
Fiber Sensors
Research

Specifications

Parameters	Unit	Values	
Pass Band	Wavelength Range	nm	1520~1580
	Max. Insertion Loss	dB	0.9
	Typ. Insertion Loss	dB	0.7
	Min. Isolation	dB	25
	Typ. Isolation	dB	30
Reflection Band	Wavelength Range	nm	960~990
	Max. Insertion Loss	dB	0.8
	Typ. Insertion Loss	dB	0.6
	Min. Isolation	dB	12
	Typ. Isolation	dB	15
Min. Return Loss	dB	50	
Min. Directivity(over 960~990nm)	dB	60	
Min. Extinction Ratio	dB	20	
Typ. Extinction Ratio	dB	22	
Thermal Stability	dB/°C	≤0.005	
Max. Optical Power (CW)	W	1, 2, 3 or Specify	
Max. Peak Power for ns Pulse	kW	10	
Max. Tensile Load	N	5	
Fiber Type		PM 1550 Panda Fiber for Port 1/3, Hi 1060 Fiber for Port 2	
Operating Temperature	°C	-5 to +70	
Storage Temperature	°C	-40 to +85	

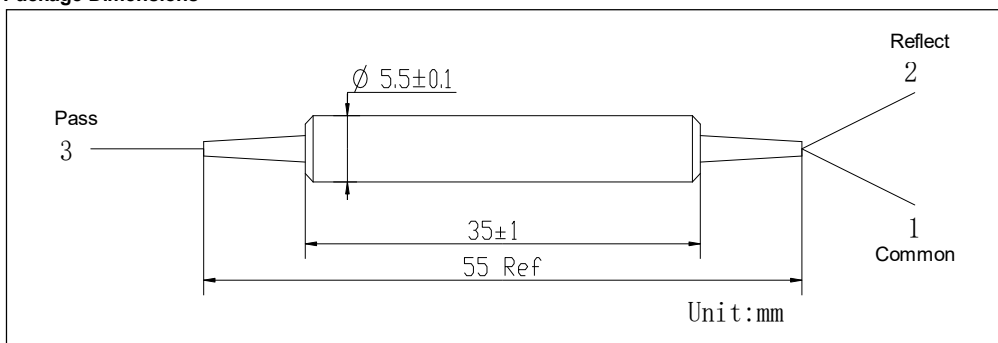
*Above specifications are for device without connector.

*For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower, ER will be 2dB lower and optical power is only 1000mW(CW).

*The PM fiber and the connector key are aligned to the slow axis.

*The material must be RoHS compliant.

Package Dimensions



Ordering Information

HPMFWDM-①①①①-②②-③③③-④④④-⑤-⑥⑥-⑦⑦

①①①①: Wavelength

5598 - 1550nm Pass / 980nm Reflect

②②: Handling Power

0.5 - 500mW

③③③: Connector Type on Port 1, 2 & 3

1A - FC/UPC

2A - FC/APC

3D - SC/UPC

4D - SC/APC

N - None

S - Specify

④④④: Fiber Jacket on Port 1, 2 & 3

B - 250um Bare Fiber

C - 900um Loose Tube(Red)

D - 900um Loose Tube(Blue)

F - 900um Loose Tube(White)

S - Specify

⑤: Fiber Length

0.8 - 0.8m

S - Specify

⑥⑥: Fiber Type

04A - PM 1550 for 1/3, Hi 1060 for 2

05A - PM 1550 for 1/3, PM 980 for 2

06A - PM 1550 for 3, PM 980 for 1&2

⑦⑦: Package

01 - $\varnothing 5.5 \times 35$ mm

08 - $80 \times 12 \times 10$