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

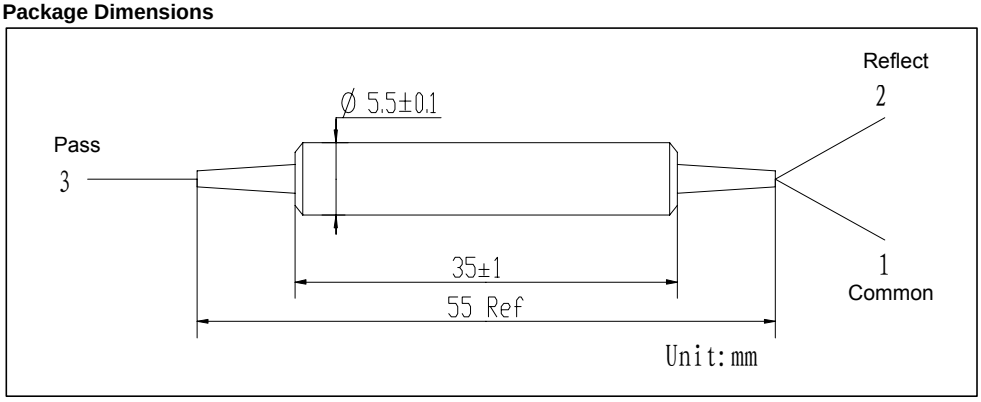
Parameters		Unit	Values
Pass Band	Wavelength Range	nm	1520~1580
	Max. Insertion Loss	dB	0.9
	Typ. Insertion Loss	dB	0.7
	Min. Isolation	dB	25
	Typ. Isolation	dB	30
Reflection Band	Wavelength Range	nm	960~990
	Max. Insertion Loss	dB	0.8
	Typ. Insertion Loss	dB	0.6
	Min. Isolation	dB	12
	Typ. Isolation	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/℃	≤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		℃	-5 to +70
Storage Temperature		℃	-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.

Package Dimensions



Ordering Information

HPMFWDM-①①①①-②②-③③③-④④④-⑤

①①①①: Wavelength
5598 - 1550nm Pass / 980nm Reflect

②②: Handling Power
01 - 1W
SS - Specify

③③③: Connector Type on Port 1, 2 & 3
1 - FC/UPC
2 - FC/APC
3 - SC/UPC
4 - SC/APC
N - None
S - Specify

④④④: Fiber Jacket on Port 1, 2 & 3
B - 250um Bare Fiber
L - 900um Loose Tube
S - Specify

⑤: Fiber Length
0.8 - 0.8m
S - Specify