Optizone

2000nm High Power Polarization Maintaining Filter Wavelength Division Multiplexers

Features

All Fiber Construction
High Power Handling Capability
Outstanding Optical Performance
Cost Effective
High Reliability

Applications

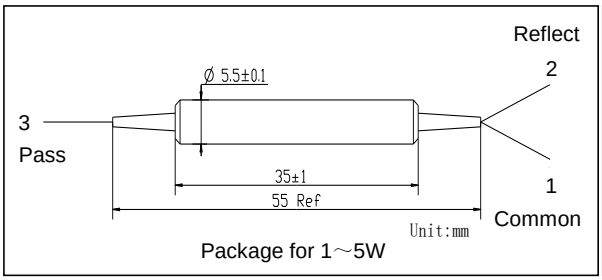
Fiber Optical Test Equipment
Fiber Sensor
Fiber Lasers
Optical Fiber Amplifier
R&D
Radar

Specifications

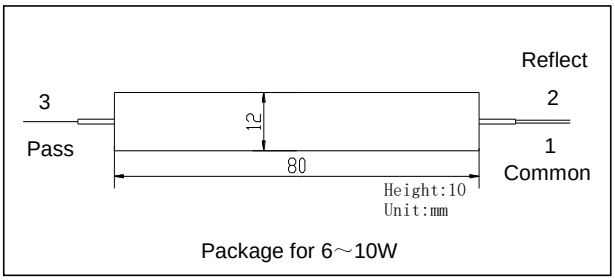
Parameters		Unit	Values
Pass Band	Wavelength Range	nm	1950~2050
	Max. Insertion Loss	dB	1.0
	Typ. Insertion Loss	dB	0.8
	Min. Isolation	dB	25
	Typ. Isolation	dB	30
Reflection Band	Wavelength Range	nm	1550~1590
	Max. Insertion Loss	dB	0.8
	Typ. Insertion Loss	dB	0.6
	Min. Isolation	dB	12
	Typ. Isolation	dB	15
Min. Return Loss		dB	50
Min. Directivity(over 1550~1590nm)		dB	55
Min. Extinction Ratio		dB	18
Typ. Extinction Ratio		dB	20
Thermal Stability		dB/℃	≤0.005
Max. Optical Power (CW)		W	1, 3, 5 or Specify
Max. Tensile Load		N	5
Fiber Type			PM 1550 Fiber, PM 1950 Fiber or Specify
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, optical power is only 1W.
*The PM fiber and the connector key are aligned to the slow axis.
*The material must be RoHS compliant.

Package Dimensions



Package for 1～5W



Package for 6～10W

Ordering Information

HPMFWDM-①①①①-②②-③③-④④④-⑤⑤-⑥⑥-⑦

①①①①: Wavelength
2057 - 2000nm Pass / 1570nm Reflect
SSSS - Specify

②②: Handling Power
01 - 1W
SS - Specify

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)
F - 900um Loose Tube(White)
S - Specify

⑤⑤: Fiber Length
0.8 - 0.8m
S - Specify

⑥⑥: Fiber Type
09A - PM 1550 Fiber
20 - Nufern PM1950
21A - PM 1550 Fiber at Common & Reflect ports and PM 1950 Fiber at Pass port

⑦: Package Size
01 - Ø5.5x35
08 - 80*12*10