Polarization Maintaining Filter Wavelength Division Multiplexers

Features

Low Insertion Loss

High Return Loss

High Isolation

Applications

Fiber Optic Instruments

Raman Amplifiers

EDFAs

Fiber Sensors

Specifications

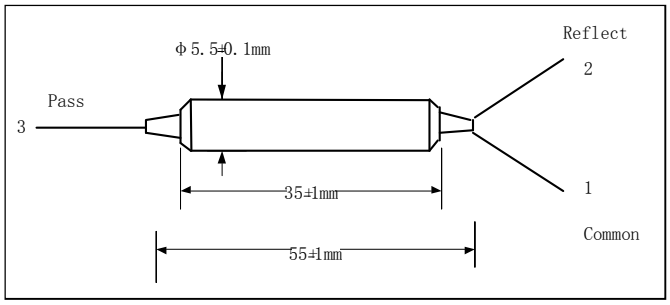
Parameters		Unit	Values
Pass Band	Wavelength Range	nm	1950-2050
	Max. Insertion Loss	dB	0.8
	Typ. Insertion Loss	dB	0.6
	Min. Isolation	dB	25
	Typ. Isolation	dB	30
Reflection Band	Wavelength Range	nm	1500-1600
	Max. Insertion Loss	dB	0.6
	Typ. Insertion Loss	dB	0.4
	Min. Isolation	dB	12
	Typ. Isolation	dB	15
Min. Return Loss		dB	50
Min. Directivity(over 1500~1600nm)			50
Min. Extinction Ratio		dB	18
Typ. Extinction Ratio		dB	20
Thermal Stability		dB/℃	≤0.005
Max. Optical Power (CW)		mW	500
Max. Tensile Load		N	5
Fiber Type			PM 1550 Fiber
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, ER will be 2dB lower and RL will be 5dB lower.

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

Package Dimensions



Ordering Information

PMFWDM-①①①①-②②②-③③③-④

①①①①: Wavelength

2055 - 2000nm Pass / 1550nm Reflect

②②②: Connector Type on Port 1, 2 & 3

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

N - None

S - Specify

③③③: Fiber Jacket on Port 1, 2 & 3

B - 250um Bare Fiber

L - 900um Loose Tube

S - Specify

④: Fiber Length

0.8 - 0.8m

S - Specify