Polarization Maintaining Filter Wavelength Division Multiplexer (PMFWDM Series)

Rev 11

Description

The Polarization Maintaining Filter Wavelength Division Multiplexer provides wavelength division multiplexing (or demultiplexing) while maintaining signal polarization. The components are based on environmentally stable thin-film filter technology and are characterized with high extinction ratio, low insertion loss, and high return loss. They are ideal for high speed WDM network systems.

Key Features

- High Extinction Ratio
- Low Insertion Loss

Applications

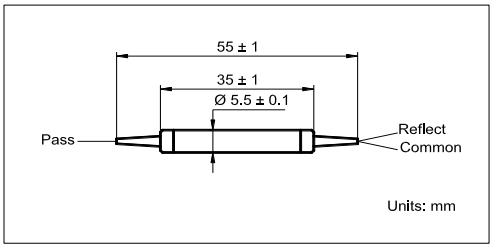
- Fiber Optic Instruments
- Fiber Sensing
- Fiber Lasers

Specifications

Parameter		Unit	Value
	Wavelength Range	nm	980 ± 10
	Typ. Insertion Loss	dB	0.5
Pass Band	Max. Insertion Loss	dB	0.7
	Typ. Isolation	dB	30
	Min. Isolation	dB	25
	Wavelength Range	nm	1060 ± 40
	Typ. Insertion Loss	dB	0.4
Reflection Band	Max. Insertion Loss	dB	0.6
	Typ. Isolation	dB	15
	Min. Isolation	dB	12
Min. Return Loss		dB	50
Min. Extinction Ratio, 23 ℃		dB	20
Fiber Type		-	PM 980 Panda Fiber
Max. Optical Power (Continuous Wave)		mW	300
Max. Tensile Load		N	5
Operating Temperature		℃	- 5 to + 70
Storage Temperature		℃	- 40 to + 85

[1]IL is 0.5 dB higher, RL is 5 dB lower, and ER is 2 dB lower for each connector added. Connector key is aligned to slow axis.

Package Dimensions



Ordering Information

PMFWDM-①①①①-②-③-④

①①①①: Wavelength

9806 - 980 Pass/1060 Reflect

②: Connector Type

1 - FC/UPC
2 - FC/APC
3 - SC/UPC
4 - SC/APC
N - None
S - Specify

③: Fiber Jacket

B - 250 μm Bare Fiber
L - 900 μm Loose Tube
S - Specify

④: Fiber Length

Q - 0.75 m
S - Specify