



Polarization Maintaining Bandpass Filter - 2 nm (PMBP Series)

Rev 11

Description

The Bandpass Filter is a micro optics device based on environmentally stable thin film filter technology. It is used to block out unwanted noise signals in EDFAs and fiber laser systems. This component is characterized with high isolation, low insertion loss, high return loss, excellent environmental stability and high power handling capability.

Key Features

- Low Insertion Loss
- High Isolation

Applications

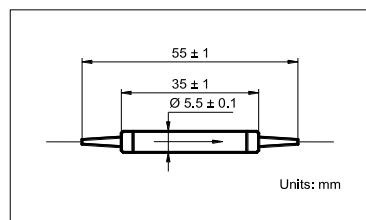
- Fiber Lasers
- EDFA

Specifications

Parameter	Unit	Value
Center Wavelength	nm	1550
Min. Pass Bandwidth @ - 0.5 dB	nm	2
Max. Insertion Loss	dB	1.0
Min. Isolation @ 1520 - 1547 nm & 1553 -1570 nm	dB	25
Min. Return Loss	dB	50
Min. Extinction Ratio, 23 °C	dB	20
Thermal Stability	dB/°C	≤ 0.005
Max. Optical Power (Continuous Wave)	mW	300
Max. Tensile Load	N	5
Fiber Type	-	PM 1550 Panda Fiber
Operating Temperature	°C	- 5 to + 70
Storage Temperature	°C	- 40 to + 85

¹IL is 0.3 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

PMBP-①①①①-②-③-④-⑤

①①①①: Wavelength	②: Pass Bandwidth	③: Connector Type	④: Fiber Jacket	⑤: Fiber Length
1550 - 1550 nm	2 - 2 nm	1 - FC/UPC	B - 250 µm Bare Fiber	Q - 0.75 m
SSSS - Specify		2 - FC/APC	L - 900 µm Loose Tube	S - Specify
		3 - SC/UPC	S - Specify	
		4 - SC/APC		
		N - None		
		S - Specify		