

Polarization Maintaining Bandpass Filter CWDM (PMBPCWDM Series)

Description

Rev 11

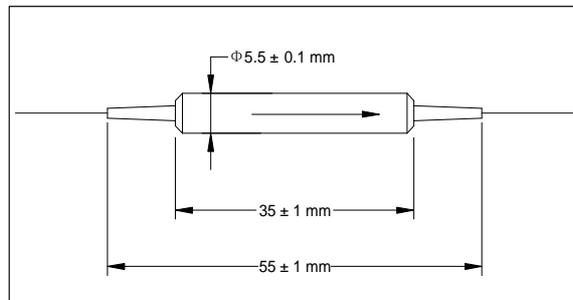
The Polarization Maintaining Bandpass Filter is a micro optics device based on environmentally stable thin film filter technology. It is used to block out unwanted noise signals in EDFAs and fiber laser systems. The components are characterized with high isolation, low insertion loss, high extinction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

Specifications

Parameter	Unit	Value
Center Wavelength	nm	1470, 1490, 1510, 1530, 1550, 1570, 1590, 1610
Passband	nm	CWL \pm 6.5
Max. Insertion Loss	dB	0.6
Typ. Insertion Loss	dB	0.4
Min. Isolation @ wavelength 1450 - CWL-14 & CWL+14 - 1630	dB	30
Min. Return Loss	dB	50
Min. Extinction Ratio	dB	20
Thermal Stability	dB/°C	\leq 0.005
Thermal Wavelength Drift	nm/°C	\leq 0.003
Max. Optical Power (Continuous Wave)	mW	300
Max. Tensile Load	N	5
Fiber Type	-	PM Panda Fiber
Operating Temperature	°C	- 5 to + 70
Storage Temperature	°C	- 40 to + 85

*IL 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

PMBPCWDM-①①-②-③-④

①①: Center Wavelength	②: Connector Type	③: Fiber Type	④: Fiber Length
47 - 1470 nm	1 - FC/UPC	B - 250 μ m Panda Fiber	Q - 0.75 m
49 - 1490 nm	2 - FC/APC	L - 900 μ m Loose Tube	S - Specify
51 - 1510 nm	3 - SC/UPC	S - Specify	
53 - 1530 nm	4 - SC/APC		
55 - 1550 nm	N - None		
57 - 1570 nm	S - Specify		
59 - 1590 nm			
61 - 1610 nm			
SS - Specify			