



Polarization Maintaining Bandpass Filter CWDM (PMBPCWDM Series)

Rev 11

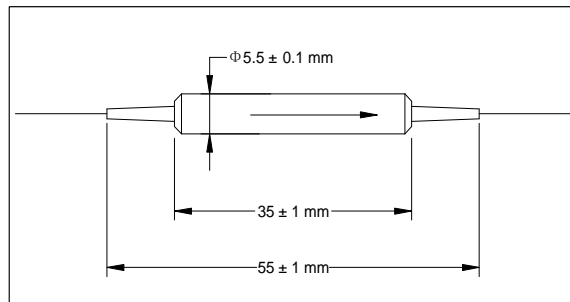
The PMBP Filter is a micro optics device based on environmentally stable thin film filter technology. It is used to block out unwanted noise signals in EDFAs and fiber laser systems. The components are characterized with high isolation, low insertion loss, high extinction ratio, excellent environmental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

Specifications

Parameter	Unit	Value
Center Wavelength	nm	1470 1490 1510 1530 1550 1570 1590 1610
Passband	nm	CWL +/- 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	≤ 0.005
Thermal Wavelength Drift	nm/°C	≤ 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 - 1470nm	1 - FC/UPC	B - 250 μm Panda fiber	Q - 0.75 m
49 - 1490nm	2 - FC/APC	L - 900 μm loose tube	S - Specify
51 - 1510nm	3 - SC/UPC	S - Specify	
53 - 1530nm	4 - SC/APC		
55 - 1550nm	N - None		
57 - 1570nm	S - Specify		
59 - 1590nm			
61 - 1610nm			
SS - Specify			