



Polarization Maintaining Bandpass Filter CWDM (GK-PMBPCWDM Series)

● Description

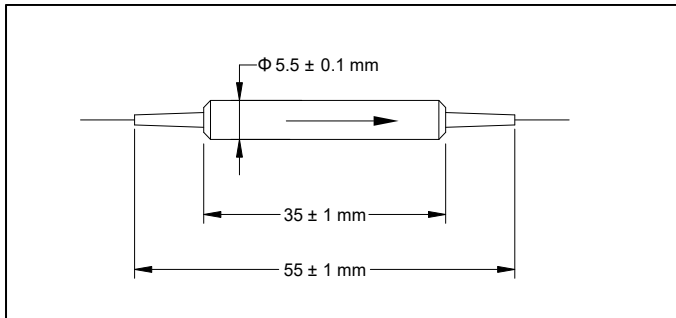
The Polarization Maintaining Bandpass Filter is a micro optics device based on environmentally stable thin film filter technology. It is used to block out unwanted noise signals in EDFAs and fiber laser systems. The components are characterized with high isolation, low insertion loss, high extinction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

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

GK-PMBPCWDM-①-②-③-④

①: Center Wavelength

47 - 1470 nm
49 - 1490 nm
51 - 1510 nm
53 - 1530 nm
55 - 1550 nm
57 - 1570 nm
59 - 1590 nm
61 - 1610 nm
SS - Specify

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