



# Polarization Maintaining Bandpass Filter (GK-PMBP Series)

## ● Description

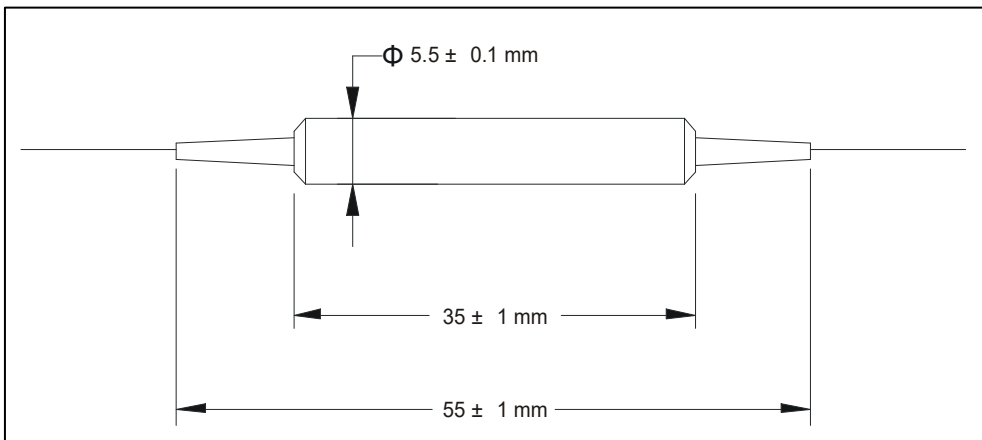
The Polarization Maintaining Bandpass Filter is a micro optics device based on environmentally stable thin-film filter technology. It is used to block out unwanted noise signals in EDFAs and fiber laser systems. The components are characterized with high isolation, low insertion loss, high extinction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

## ● Specifications

Parameter	Unit	Type A
Center Wavelength	nm	1064
CWL Tolerance	nm	± 1 ± 0.5
Filter Pass Band @ -0.5 dB	nm	2 8
Max. Insertion Loss over Pass Band	dB	0.8 0.8
Wavelength suppression @ (1020 - 1058 & 1070 - 1100 nm) for 2 nm	dB	25 N/A
Wavelength suppression @ (1000 - 1054 & 1074 - 1100 nm) for 8 nm	dB	N/A 25
Min. Extinction Ratio	dB	20
Min. Return Loss	dB	50
Thermal Stability	dB/°C	≤ 0.005
Max. Optical Power (Continuous Wave)	mW	300
Max. Tensile Load	N	5
Fiber Type	-	PM 980 Panda Fiber
Operating Temperature	°C	- 5 to + 70
Storage Temperature	°C	- 40 to + 85

<sup>1</sup>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

GK-PMBP-①-②-③-④-⑤

### ①: Wavelength

1064 - 1064 nm

SSSS - Specify

### ②: Pass Bandwidth

2 - 2 nm

8 - 8 nm

### ③: Connector Type

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

N - None

### ④: Fiber Type

B - 250  $\mu\text{m}$  Bare Fiber

L - 900  $\mu\text{m}$  Loose Tube

S - Specify

### ⑤: Fiber Length

Q - 0.75 m

S - Specify