

# Polarization Maintaining Filter Wavelength Division Multiplexer (GK-FWDM Series)

## ● Description

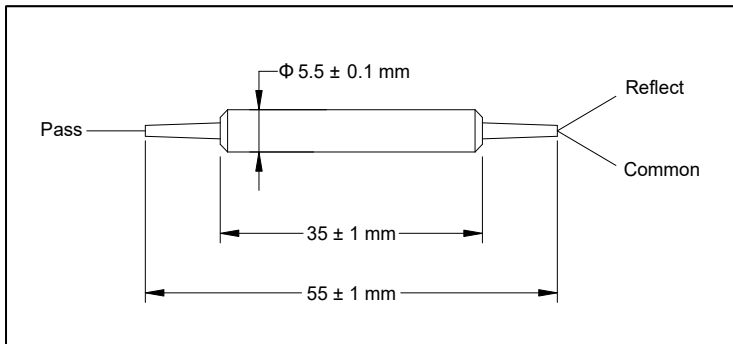
The Polarization Maintaining Filter Wavelength Division Multiplexer provides wavelength division multiplexing while maintaining signal polarization. The components are based on environmentally stable thin-film filter technology and are characterized with high extinction ratio, low insertion loss, and high return loss. They are ideal for high speed WDM network systems.

## ● Specifications

Parameter	Unit	Value
Wavelength Range	nm	980 ± 10
Typ. Insertion Loss	dB	0.5
Pass Band Max. Insertion Loss	dB	0.7
Typ. Isolation	dB	30
Min. Isolation	dB	25
Wavelength Range	nm	1060 ± 40
Typ. Insertion Loss	dB	0.4
Reflection Band Max. Insertion Loss	dB	0.6
Typ. Isolation	dB	15
Min. Isolation	dB	12
Min. Return Loss	dB	50
Min. Extinction Ratio	dB	20
Fiber Type	-	PM 980 Panda Fiber
Max. Optical Power (Continuous Wave)	mW	300
Max. Tensile Load	N	5
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-PMFWDM-①-②-③-④-⑤

### ①: Wavelength

2057 - 2000 Pass/1570 Reflection

SSSS - Specify

### ②: Fiber Type

1 - PM 1550 Fiber (all ports)

2 - PM 1950 Fiber (all ports)

3 - PM 1550 for R Port and PM 1950 for C & P Port

4 - SMF-28 for R Port and PM 1550 for C & P Port

### ③: Connector Type

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

N - None

S - Specify

### ④: Fiber Jacket

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

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

### ⑤: Fiber Length

1 - 1.0 m

S - Specify