



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

### ● Description

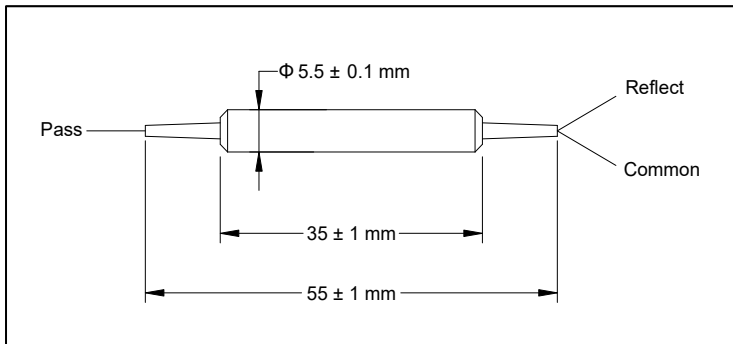
The Filter Wavelength Division Multiplexer is based on environmentally stable thin-film filter technology. The devices combine or separate light at different wavelength in a wide wavelength range. They offer very low insertion loss, low polarization dependence, high isolation and excellent environmental stability. High power handling capability can be achieved through unique pigtail processing and high quality AR coating. These components have been extensively used in EDFAs, Raman amplifiers, WDM networks and fiber optical instruments.

### ● Specifications

| Parameter                            | Unit  | Value         |
|--------------------------------------|-------|---------------|
| Pass Band Wavelength Range           | nm    | 980 ± 10      |
| Max. Insertion Loss                  | dB    | 0.7           |
| Min. Isolation                       | dB    | 25            |
| Reflection Band Wavelength Range     | nm    | 1060 ± 40     |
| Max. Insertion Loss                  | dB    | 0.6           |
| Min. Isolation                       | dB    | 12            |
| Min. Return Loss                     | dB    | 50            |
| Max. Polarization Dependent Loss     | dB    | 0.1           |
| Thermal Stability                    | dB/°C | 0.005         |
| Max. Optical Power (Continuous Wave) | mW    | 300           |
| Max. Tensile Load                    | N     | 5             |
| Fiber Type                           | -     | HI 1060 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 for each connector added.

## ● Package Dimensions



## ● Ordering Information

GK-FWDM-①-②-③-④

### ①: Wavelength

9806 - 980 Pass/1060 Reflect

SSSS - 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  $\mu$ m Bare Fiber

L - 900  $\mu$ m Loose Tube

### ④: Fiber Length

1 - 1.0 m

S - Specify