



## Multimode Filter Wavelength Division Multiplexer (GK-MMFWDM Series)

### ● Description

The Multimode Filter Wavelength Division Multiplexer series 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, 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 multi-mode fiber communication, CATV and testing instrumentation.

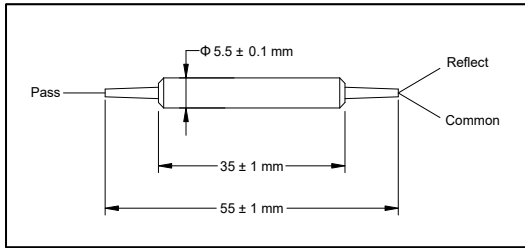
### ● Specifications

Parameter		Unit	Value
Pass Band	Wavelength Range	nm	830 - 870 (1290 - 1330) 1270 - 1350 (1530 - 1600)
	Max. Insertion Loss	dB	0.5
	Min. Isolation	dB	30
Reflection Band	Wavelength Range	nm	1290 - 1330 (830 - 870) 1530 - 1600 (1270 - 1350)
	Max. Insertion Loss	dB	0.5
	Min. Isolation	dB	12
Min. Directivity		dB	35
Min. Return Loss		dB	35
Max. Temperature Dependent Loss		dB	0.15
Max. Optical Power (Continuous Wave)		mW	300
Max. Tensile Load		N	5
Fiber Type		-	Multimode Fiber 62.5/125, 50/125, 105/125 μm NA0.22
Operating Temperature		℃	- 5 to + 70
Storage Temperature		℃	- 40 to + 85

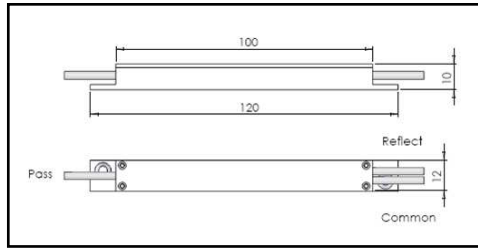
<sup>1</sup>IL is 0.3 dB higher and RL is 5dB lower for each connector added.

<sup>2</sup>Above specifications are measured at CPR higher than 15dB.

## ● Package Dimensions



for 250 μm bare fiber & 900 μm loose tube



for 2mm cable & 3mm cable

## ● Ordering Information

GK-MMFWDM-①-②-③-④-⑤

### ①: Wavelength

3155 - 1310 Pass/1550 Reflect  
 5531 - 1550 Pass/1310 Reflect  
 8531 - 850 Pass/1310 Reflect  
 3185 - 1310 Pass/850 Reflect

### ②: Fiber Core

1 - 105 μm  
 2 - 62.5 μm  
 3 - 50 μm  
 S - Specify

### ③: Connector Type

1 - FC/UPC  
 2 - FC/APC  
 3 - SC/UPC  
 4 - SC/APC  
 N - None  
 S - Specify

### ④: Fiber Type

B - 250 μm Bare Fiber  
 L - 900 μm Loose Tube  
 2 - 2 mm Cable  
 3 - 3 mm Cable  
 S - Specify

### ⑤: Fiber Length

1 - 1.0 m  
 S - Specify