

Filter Wavelength Division Multiplexer (GK-FWDM Series)

● Description

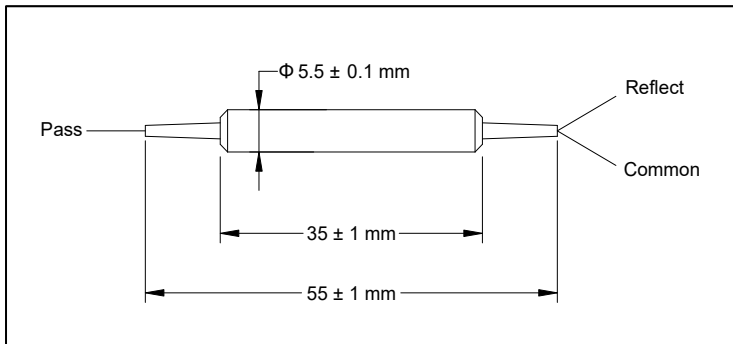
The Filter Wavelength Division Multiplexer series is based on environmentally stable thin film filter technology. The devices combine or separate light at different wavelength in a wide wavelength range. They offer very low insertion loss, low polarization dependence, high isolation and excellent environmental 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	1550
Min.Pass Band width@0.5 dB	nm	5
Max. Insertion Loss	dB	0.6
Min. Isolation	dB	25
Reflection Band Wavelength Range	nm	1520 - 1544 & 1556 - 1610
Max. Insertion Loss	dB	0.4
Min. Isolation	dB	12
Min. Return Loss	dB	50
Max. Polarization Dependent Loss	dB	0.1
Max. Average Optical Power	W	0.3, 1, 2...5
Max. Peak Power for ns pulse	kW	1, 2...10
Max. Tensile Load	N	5
Fiber Type	-	SMF-28 Fiber
Operating Temperature	℃	- 5 to + 70
Storage Temperature	℃	- 40 to + 85

¹IL is 0.3 dB higher, RL is 5 dB lower for each connector added.
Optical power will be only 1W with connector added.

● Package Dimensions



● Ordering Information

GK-FWDMBP-①-②-③-④-⑤-⑥-C GK-FWDMBP-①-②-③-④-⑤-⑥-P

①: Center Wavelength

1550 - 1550 nm

②: Connector Type

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

N - None

S - Specify

③: Fiber Jacket

B - 250 μ m Bare Fiber

L - 900 μ m Loose Tube

S - Specify

④: Fiber Length

1 - 1.0 m

S - Specify

⑤: Power Type

C - Continuous Wave

P - Pulse Application

⑥: Pass Bandwidth

5 - 5 nm