



Polarization Maintaining Filter Wavelength Division Multiplexer

(GK-PMFWDM Series)

● Description

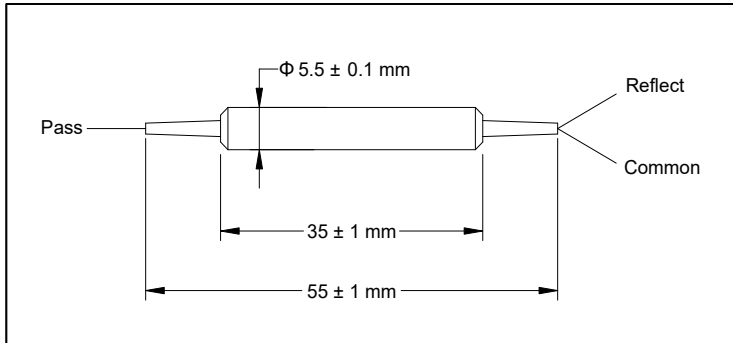
The 2 μm Filter Wavelength Division Multiplexer series is based on environmentally stable thin film filter technology. The devices combine or separate light at different wavelength in a wide wavelength range. They offer very low insertion loss, low polarization dependence, high isolation and excellent environmental stability. High power handling capability can be achieved through unique pigtail processing and high quality AR coating.

● Specifications

Parameter		Unit	Value
Pass Band	Wavelength Range	nm	1950 - 2050
	Typ. Insertion Loss	dB	0.6
	Max. Insertion Loss	dB	0.8
	Typ. Isolation	dB	30
	Min. Isolation	dB	25
Reflection Band	Wavelength Range	nm	1560 - 1580
	Typ. Insertion Loss	dB	0.6
	Max. Insertion Loss	dB	0.8 - 1.3
	Typ. Isolation	dB	15
	Min. Isolation	dB	12
Min. Return Loss		dB	50
Min. Extinction Ratio		dB	20
Thermal Stability		dB/°C	0.005
Max. Optical Power (Continuous Wave)		mW	300
Max. Tensile Load		N	5
Fiber Type		-	PM 1550 Fiber (all ports) PM 1550 Fiber for reflect port and or PM 1950 Fiber (all ports) PM 1950 Fiber for common & pass portSMF-28 for R, PM 1550 for C & P
Operating Temperature		°C	-5 to +70
Storage Temperature		°C	-40 to +85

¹IL is 0.3 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 μm Bare Fiber
L - 900 μm Loose Tube

⑤: Fiber Length

1 - 1.0 m
S - Specify