



2 μm Filter Wavelength Division Multiplexer (GK-FWDM Series)

● Description

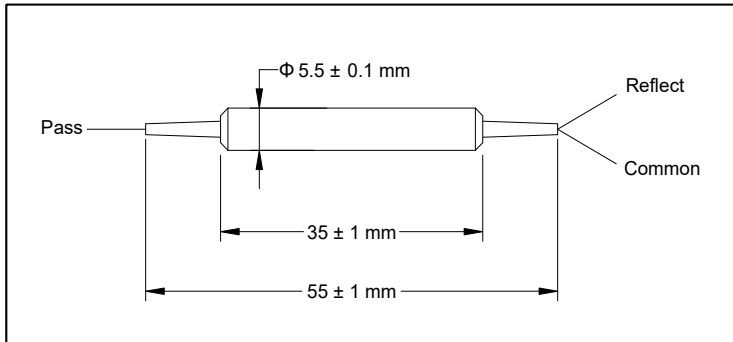
The 2 μm Filter Wavelength Division Multiplexer series is based on environmentally stable thin-film filter technology. The devices combine or separate light at different wavelength in a wide wavelength range. They offer very low insertion loss, low polarization dependence, high isolation and excellent 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
Max. Polarization Dependent Loss	dB	0.2
Typ. 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	-	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 for each connector added.

● Package Dimensions



● Ordering Information

GK-FWDM-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
and SM 1950 Fiber for Common & Pass 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
S - Specify

⑤: Fiber Length

1 - 1.0 m
S - Specify