Advanced Fiber Resources (HK), Ltd.

Filter Wavelength Division Multiplexer (FWDM Series)

Rev 11

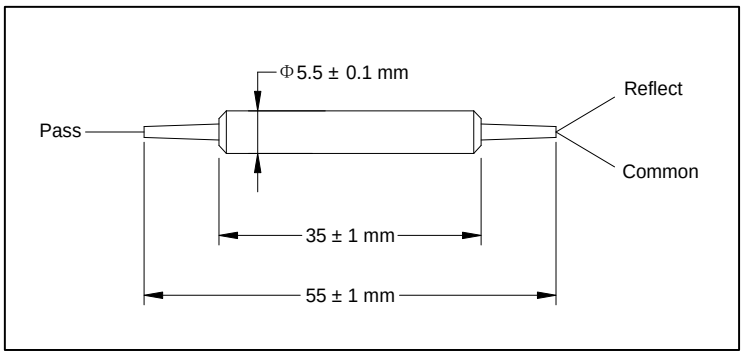
The Filter Wavelength Division Multiplexer is based on environmentally stable thin-film filter technology. The devices combine or separate light at different wavelength in a wide wavelength range. They offer very low insertion loss, low polarization dependence, high isolation and excellent environmental 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/℃	0.005
Max. Optical Power (Continuous Wave)		mW	300
Max. Tensile Load		N	5
Fiber Type			HI 1060 fiber
Operating Temperature		℃	-5 to +70
Storage Temperature		℃	-40 to +85

*IL is 0.5 dB higher, RL is 5 dB lower for each connector added.

Package Dimensions



Ordering Information

FWDM-①①①①-②-③-④

①①①①: 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 μm bare fiber
L - 900 μm loose tube
S - Specify

④: Fiber Length
1 - 1.0 m
S - Specify