



Filter Wavelength Division Multiplexer (FWDM Series)

Spec Review No.: SR15559

Description

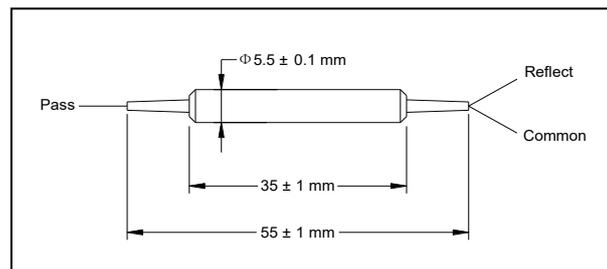
The Filter Wavelength Division Multiplexer series is based on environmentally stable thin film filter technology. The devices combine or separate light at different wavelength in a wide wavelength range. They offer very low insertion loss, low polarization dependence, high isolation and excellent environmental 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		°C	- 5 to + 70
Storage Temperature		°C	- 40 to + 85

*IL 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

FWDMBP-①①①①-②-③-④-⑤-⑥-C

FWDMBP-①①①①-②-③-④-⑤-⑥-P

①①①①: Center Wavelength 1550 - 1550 nm	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 S - Specify	⑤: Fiber Length 1 - 1.0 m S - Specify	⑥: Power Type C - Continuous Wave P - Pulse Application
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