

Multimode Filter Wavelength Division Multiplexer (MMFWDM Series)

The Multimode Filter Wavelength Division Multiplexer series are based on environmentally stable Thin Film Filters technology, The devices combine or separate light at different wavelength in a wide wavelength range, They offer very low insertion loss, 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 multi-mode fiber communication, CATV and testing instrumentation.

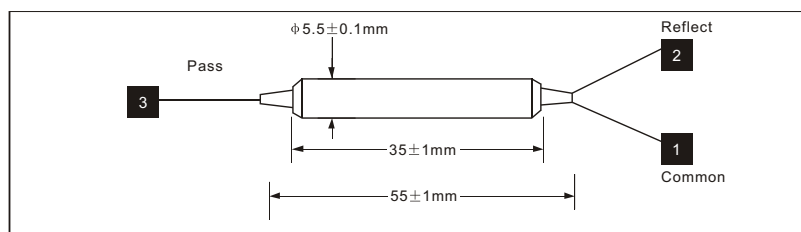
Specifications				
Parameters		Unit	Values	
Pass Band	Wavelength Range	nm	830-870(1290-1330)	1270-1350(1530-1600)
	Typ. Insertion Loss	dB	0.3	
	Max. Insertion Loss	dB	0.5	
	Typ. Isolation	dB	35	
	Min. Isolation	dB	30	
Reflection Band	Wavelength Range	nm	1290-1330(830-870)	1530-1600(1270-1350)
	Typ. Insertion Loss	dB	0.3	
	Max. Insertion Loss	dB	0.5	
	Typ. Isolation	dB	15	
	Min. Isolation	dB	12	
Min. Directivity		dB	40	
Min. Return Loss		dB	40	
Max. TDL		dB	0.15	
Max. Optical Power		mW	300	
Package Dimensions			Bare Fiber & Loose Tube	Φ5.5*55
			3mm cable	12(W)*10(H)*120(L)
Max. Tensile Load		N	5	
Fiber Type		um	Multimode Fiber 62.5/125/250 or 50/125	
Operating Temperature		°C	-5 to +70	
Storage Temperature		°C	-40 to +85	

*Above specifications are for device without connector.

*For devices with connectors, IL will be 20dB higher, RL will be 10dB lower.

*Above specifications are measured in low order modes.

Package Dimensions



Ordering Information

MMFWDM-①①①①-②-③-④-⑤

①①①①: Wavelength

3155 - 1310 Pass / 1550 Reflect

5531 - 1550 Pass / 1310 Reflect

8531 - 850 Pass / 1310 Reflect

3185 - 850 Reflect / 1310 Pass

②: Fiber Core

1 - 62.5um

2 - 50um

③: Connector Type

1 - FC/UPC

2 - SC/UPC

3 - LC/UPC

4 - ST/UPC

N - None

S - Specify

④: Fiber Type

B - 250um bare fiber

L - 900um loose tube

C - 3mm cable

S - Specify

⑤: Fibre Length

1 - 1.0m

S - Specify