

DK Photonics Technology Limited

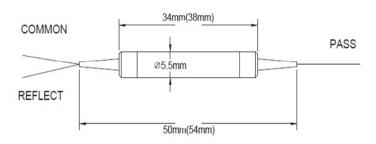
http://www.dkphotonics.com/

Multimode 850-1310nm MFWDM(Standard and High Isolation)

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.

The products are Telcordia GR-1221/1209-CORE qualified, and RoHS compliant.





Features

- Wide Operating Wavelength Range
- Low insertion loss
- Ultra Flat Wide Passband
- ◆ High channel isolation
- ◆ High stability and reliability
- ◆ Epoxy free on optical path

Applications

- System Monitoring
- ◆ WDM System
- Transmitters and Fiber laser
- Fiber Optical Amplifier
- Fiber Optic Instruments

Performance Specifications

Parameter		MFWDM-83/38	MFHWDM-83/38	
Pass Channel Wavel	ength Range (nm)	800 ~ 900 (or 1260 ~ 1360)		
Reflect Channel Wav	elength (nm)	1260 ~ 1360 (or 800~900)		
Insertion Loss (dB)	Reflect Channel	< 0.7	<1.0	
	Pass Channel	< 0.8	< 1.0	
Insertion Loss Variati	on(dB)	<0.3		
Isolation	Reflect Channel	> 12	> 25	
	Pass Channel	>30	>45	
Insertion Loss Tempe	erature Sensitivity (dB/°	<0.005		
C)				
Polarization Depende	ent Loss (dB)	<0.1		
Polarization Mode Dis	spersion (Ps)	<0.1		
Directivity (dB)		>45		
Return Loss (dB)		>40		
Maximum Power Har	ndling (mw)	300		
Operating Temperatu	ıre (°C)	0 ~ +70		
Storage Temperature	e (°C)	-40 ~ +85		
Package Dimension ((mm)	Ø5.5 x L34(L38 for 900um jacket)		
		90X20X9.5mm for 3 mm cable		

^{*}The above specification is without connector.

Order information MFWDM-11-2-3-44-55-66

(1)(1)	(2)	(3)	(4)(4)	(5)(5)	(6)(6)
Wave- length	Isolation	Fiber Type	Fiber Diame- ter	Fiber Length	Connector
38:1310n m Pass 83:850nm Pass	S:Standard Isolation H:High Iso- lation	1:62.5/125M M Fiber 2:50/125MM Fiber	25:250um 90:900um XX: Others	05:0.5m 10:1.0m 15:1.5m XX:Others	00:None FP: FC/PC FA: FC/APC SP: SC/PC SA: SC/APC LP: LC/PC LA: LC/APC ST: ST/PC XX: Others

E-mail: sales@dkphotonics.com

^{**}Other specifications can be made on customer request.