

Multimode Filter WDM 850 1310nm

The 850 1310 nm Multimode Filter Wavelength Division Multiplexer (WDM) is based on thin-film filter technology. It provides wavelength division multiplexing function. It could be built by 50/125um or 62.5/125um multi-mode fiber.



Features

- Low Insertion Loss
- High Isolation
- High Stability & Reliability

Applications

- WDM System
- Fiber Sensor
- Multimode optical fiber system

Performance Specification

Parameter	Value	Unit
Pass Band	Wavelength	850 (850±50)
	Insertion Loss	0.4 (Typ.), 0.7 (Max.)
	Isolation	35 (Typ.), 30 (Min.)
Reflection Band	Wavelength	1310 (1310±50)
	Insertion Loss	0.3 (Typ.), 0.6 (Max.)
	Isolation	18 (Typ.), 15 (Min.)
Max. PDL	0.1	dB
Max. Channel Flatness	0.3	dB
Min. Directivity	35	dB
Min. Return Loss	30	dB
Max. Thermal Stability	0.005	dB
Max. Optical Power (Continuous Wave)	500	mW
Max. Tensile Load	5	N
Fiber Type	50/125um or 62.5/125um multi-mode fiber	
Operating Temperature	-5 to +70	°C
Storage Temperature	-40 to +85	°C
Package Dimension	Φ5.5×L35	mm

Note

* Above specifications are for device without connector. For devices with connectors, IL will be 0.3dB higher and RL will be 5dB lower.
* Specifications may change without notice.

Ordering Information

MMFWDM-AAAA/AAAA-B-C-DD-EE

AAAA/AAAA	B	C	DD	EE
Wavelength	Fiber Type	Fiber Jacket	Fiber Length	Connector
850/1310 - 850 Pass/1310 Reflect	M6 - 62.5/125 Fiber	B - 250um Bare	05 - 0.5m	NE - None
1310/850 - 1310 Pass/850 Reflect	M5 - 50/125 Fiber	Fiber	08 - 0.8m	FA - FC/APC
SSSS/SSSS - Specify	SS - Specify	L - 900um Loose Tube	10 - 1.0m	FP - FC/PC
			15 - 1.5m	SA - SC/APC
			SS - Specify	SP - SC/PC
				LA - LC/APC
				LP - LC/PC
				SS - Specify