

## 980/1550nm 1480/1550nm Filter WDM

### Features:

- ◆ Low Insertion Loss
- ◆ High Return Loss
- ◆ Wide Operating Wavelength Range
- ◆ High Channel Isolation
- ◆ High Stability and Reliability
- ◆ Epoxy-free on Optical Path



### Applications:

- ◆ System Monitoring
- ◆ WDM Network
- ◆ Transmitters and Fiber Lasers
- ◆ Fiber Optical Amplifier
- ◆ Fiber Optical Instruments

### Performance Specifications:

Parameter		MWDM-54	MWDM-59
Pass Channel Wavelength Range (nm)		1530~1565	1525~1600
Reflect Channel Wavelength (nm)		1450~1490	965~1000
Insertion Loss (dB)	Reflect Channel	≤0.5	≤0.7
	Pass Channel	≤0.6	≤0.9
Insertion Loss Variation		<0.3	
Isolation @Add/Drop Channel	Reflect Channel	>15	>15
	Pass Channel	>25	>30
Insertion Loss Temperature Sensitivity (dB/°C)		<0.005	
Polarization Dependent Loss (dB)		<0.1	
Polarization Mode Dispersion (ps)		<0.1	
Directivity (dB) (Input to add, Output to drop, Add to drop)		>50	
Return Loss (dB)		>55	
Maximum Power Handling (mW)		500	
Operating Temperature (°C)		-10~+75	

Storage Temperature (°C)	-40~+85	
Fiber Type	Corning SMF-28e fiber	Corning HI 1060 fiber at Common & Reflection port, SMF-28e fiber at pass port
Package Dimension	Φ5.5x34 (L38 for 900um Loose tube)	

Specification may change without notice.

Above specification are for device without connector.

### Nomenclature:

MWDM	X	X	X	XX
	Wavelength	Fiber Type	Fiber Length	In/Out Connector
	54=1550 pass/1480 reflect 59=1550 pass/980 reflect	1=Bare fiber 2=900um loose tube	1=1m 2=2m	0=None 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=ST 6=LC S=Specify