

3 port 980/1550nm、 1480/1550nm Micro-Optical Wavelength Division Multiplexer



Features

- Low Insertion loss
- High Return loss
- Wide Operating Wavelength range
- High Channel Isolation
- High Stability and Reliability
- Epoxy Tree Optical Path

Applications

- System Monitoring
- WDM system
- Transmitters and Fiber lasers
- Fiber Optical Amplifier
- Fiberoptic Instruments

Package Dimensions



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 (dB)	< 0.3		
Isolation (dB)	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)	> 50		
Return Loss (dB)	> 50		
Maximum Power Handling (mW)	300		
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 (mm)	Φ5.5 x L34 (L38 for 900um loose tube)		

Specifications may change without notice.

Above specification are for device without connector.

Ordering Information

MWDM	□ □	□	□	□
	Wavelength	Fiber Type	Fiber Length	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

Flyin