

## 1480nm/1550nm Micro-Optic WDM

### Features:

Environmental Green Plan  
Compliance  
Wide Operating Wavelength Range  
Compact Size  
Low Insertion Loss  
Ultra Low PDL and PMD  
High Channel Isolation  
Epoxy-free Optical Path

### Applications:

Fiber optic Amplifiers  
WDM Monitoring



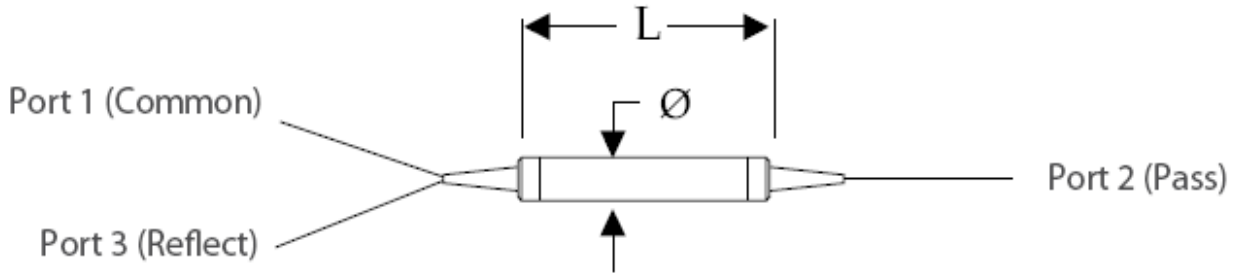
### Performance Specification

MWD13CS Series		Min	Max	Unit
Pass Channel Wavelength Range	Type 1514	1528	1610	nm
	Type 1415	1440	1493	nm
Reflection Channel Wavelength Range	Type 1514	1440	1493	nm
	Type 1415	1528	1610	nm
Insertion Loss*	Pass Channel		0.70	dB
	Reflect Channel		0.50	dB
Polarization Dependent Loss(PDL)			0.10	dB
Polarization Mode Dispersion(PMD)			0.05	ps
Passband Ripple			0.10	dB
Insertion	Pass Channel	14		dB
	Reflect Channel	30		dB
Return Loss		50		dB
Directivity		50		dB
Operating Power			500	mW
Operating Temperature			0 to ~+70	°C
Storage Temperature			-40 to ~+85	°C
Fiber Type	Port 1&3		Corning SMF-28	
Package Dimensions	250Um Bare Fiber		P1 $\varnothing$ 5.5x34.0	mm
	900Um loose tube		P2 $\varnothing$ 5.5x40.0	mm

### \* Note:

- 1) The maximum IL is under all states of polarization and within the full operating temperature And wavelength ranges specified
- 2) All the parameters are excluding connectors
- 3) The mechanical tolerance should be +/-0.2mm on all package dimensions unless otherwise Custom specified

Mechanical Drawing/Package Dimensions (dimension in mm)



Ordering Information: MWDM-①①-②-③-④-⑤

①①Wavelength	②Fiber type	③Fiber length	④Package dimension	⑤Connector
5A=1550 Pass	1=250um bare fiber	1=1m	A=Package dimension A	0=None
4A=1480 Ref	2=900um loose tube	S=custom spec		1=FC/APC
4B=1480 Pass	S= custom spec			2=FC/PC
5B=1550 Ref			S=custom spec	3=SC/APC
				4=SC/PC
				5=ST
				6=LC
				S=custom spec

\*The tolerance of fiber length is +/-0.1m. 1 meter is standard. The lead-time for special Fiber length will be longer