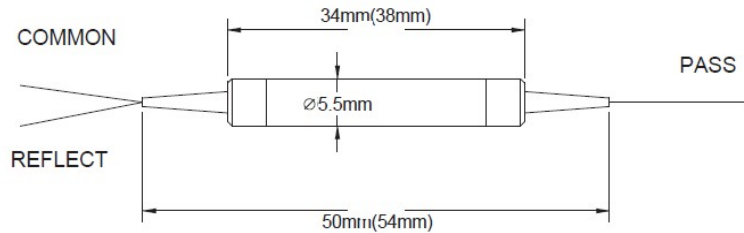




50GHz DWDM

50GHz dense wavelength division multiplexer (DWDM) utilizes thin film coating technology and proprietary design of non-flux metal bonding micro optics packaging to achieve optical add and drop at the ITU wavelengths. It provides ITU channel center wavelength, low insertion loss, high channel isolation, wide pass band, low temperature sensitivity and epoxy free optical path. It can be used for wavelength add/drop in telecommunication network system.

All Our products are Telcordia qualification tested.



Features

- ◆ 50GHz ITU channel spacing
- ◆ Low insertion loss
- ◆ Wide pass band
- ◆ High channel isolation
- ◆ High stability and reliability

Applications

- ◆ Channel add / drop
- ◆ DWDM network
- ◆ Wavelength routing
- ◆ Fiber optical amplifier
- ◆ CATV Fiber Optic System

Performance Specifications

Parameter	Mux (Add)	Demux (Drop)
Channel Wavelength (nm)	1530.33 ~ 1560.61 (21~ 59 ITU grid)	
Center Wavelength Accuracy (nm)	± 0.02	
Minimum Channel Spacing (GHz)	50	
Channel Pass band (@-0.5dB bandwidth) (nm)	± 0.07	
Insertion Loss (dB),	Add/Drop Ch.	< 1.6
	Express Ch.	< 0.5
Add / Drop Channel Ripple (dB)	< 0.3	
Isolation @Add/Drop Channel (dB),	Adjacent	N/A
	Non-adjacent	N/A
Express Channel Isolation (dB)	> 10	
Insertion Loss Temperature Sensitivity (dB/°C)	<0.005	
Wavelength Temperature Shifting (nm/°C)	<0.002	
Polarization Dependent Loss (dB)	<0.15	
Polarization Mode Dispersion (p s)	<0.1	
Directivity (dB)	>50	
Return Loss (dB)	>45	
Power Handling (mw)	300	
Operating Temperature (°C)	0 ~+70	
Storage Temperature (°C)	-40 ~+85	
Package Dimension (mm)	Φ5.5 x L34	

**Specifications may change without notice.

Order information

DWDM-①-②-③③-④④-⑤⑤-⑥⑥



①	②	③③	④④	⑤⑤	⑥⑥
Channel Spacing	configuration	ITU Channel	Fiber Diameter	Fiber Length	Connector
5:50GHz	A:Add D:Drop	C21:1560.61nm H21:1560.21nm	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 ST: ST/PC LP: LC/PC LA: LC/APC XX: Others