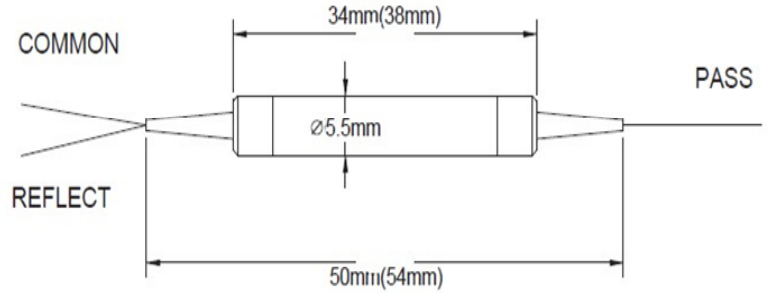




### 100GHz DWDM

100GHz 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.

The products are Telcordia qualified, and RoHS compliant.



### Features

- ◆ 100GHz 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)		± 0.05	
Minimum Channel Spacing (GHz)		100	
Channel Passband (@-0.5dB bandwidth) (nm)		> 0.22	
Insertion Loss (dB),	Add / Drop Ch.	< 1.0	
	Express Ch.	< 0.4	
Add / Drop Channel Ripple (dB)		< 0.3	
Isolation @Add/Drop Channel (dB),	Adjacent	N/A	> 25
	Non-adjacent	N/A	>35
Express Channel Isolation (dB)		> 10	
Insertion Loss Temperature Sensitivity (dB/°C )		< 0.003	
Wavelength Temperature Shifting (nm/°C )		< 0.002	
Polarization Dependent Loss (dB)		< 0.10	
Polarization Mode Dispersion (ps)		< 0.1	
Directivity (dB)		> 50	
Return Loss (dB)		> 45	
Power Handling (mW)		300	
Operating Temperature (°C)		0 ~ +70	
Storage Temperature (°C)		-40 ~ +85	
Package Dimensions (mm)		Ø5.5 x L34(L38 for 900um Jacket)	

\*\*Specifications may change without notice.

### Order information

DWDM-①①-②-③③-④④-⑤⑤-⑥⑥



①①	②	③③	④④	⑤⑤	⑥⑥
Channel Spacing	configuration	ITU Channel	Fiber Diameter	Fiber Length	Connector
10:100GHz	A:Add D:Drop	21:1560.61nm 23:1558.98nm	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