

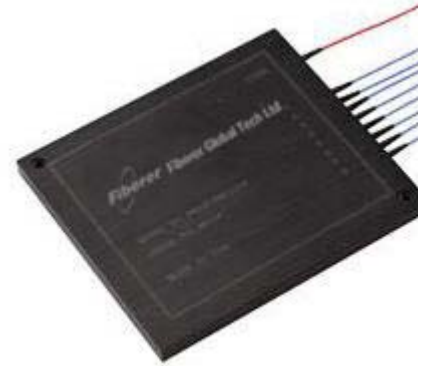
## 100GHz 8-Channel Dense Wavelength Division Multiplexer

### Features

- 100GHz ITU channel spacing
- Low insertion loss
- Wide pass band
- High channel isolation
- High stability and reliability
- Epoxy free on optical path

### Applications

- Channel add / drop
- DWDM network
- Wavelength routing
- Fiber optical amplifier
- CATV fiberoptic system



Fiberer' 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. All Fiberer' products are Telcordia qualification tested.

### Performance Specifications

Parameter	Mux	Demux	
Channel Wavelength (nm)	ITU 100 GHz Grid		
Center Wavelength Accuracy (nm)	± 0.05		
Minimum Channel Spacing (GHz)	100(0.8nm)		
Channel Passband (@-0.5dB bandwidth) (nm)	≥0.22		
Insertion Loss (dB)	≤ 3.2		
Channel Uniformity (dB)	≤ 1.0		
Channel Ripple (dB)	≤ 0.3		
Isolation @Add/Drop Channel (dB)	Adjacent	N/A	≥ 25
	Non-adjacent	N/A	≥ 35



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
Dimensions (mm)	L110 x W95 x H7.5

Specifications may change without notice

## Ordering Information

### DWDM

Channel Spacing	Channel	Configuration	1st ITU Channel	Fiber Type	Fiber Length	Connector
1=100GHz	8=8 Channel	M=Mux D=DeMux	21=1560.61nm 22=1559.79nm 23=1558.98nm	1=Bare Fiber 2=900um Fiber	1=1 Meter 2=2 Meter	0=None 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=ST 6=LC