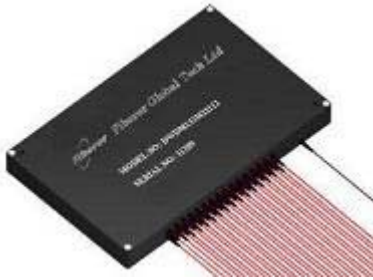


DWDM 100 GHz 32-Channel



Fiberer's 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.

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

Performance Specifications

Parameter	MUX	DEMUX
Channel Wavelength (nm)	ITU 100 GHz Grid	
Center Wavelength Accuracy (nm)	± 0.1	
Minimum Channel Spacing (GHz)	100	
Channel Passband (@-0.5dB bandwidth) (nm)	0.22	
Insertion Loss (dB)	≤ 6.0	
Insertion Loss Mux/Demux A Pair(dB)	≤7.5	
Channel Ripple (dB)	< 0.3	
Isolation @Add/Drop	Adjacent	> 25
Channel (dB),	Non-adjacent	> 35
Insertion Loss Temperature Sensitivity (dB/°C)	<0.005	
Wavelength Temperature Shifting (nm/°C)	<0.002	



Polarization Dependent Loss (dB)	<0.15
Polarization Mode Dispersion (ps)	<0.1
Directivity (dB)	>50
Return Loss (dB)	>45
Maximum Power Handling (mW)	300
Operating Temperature (°C)	0 ~+65
Storage Temperature (°C)	-40 ~+85
Dimension (mm)	L150xW95xH25

Specifications may change without notice

Ordering Information

DWDM

Channel Spacing	Channel	Configuration	1st ITU Channel	Fiber Type	Fiber Length	Connector
1=100GHz	16=32 Channel	M=Mux	21=1560.61nm	1=Bare Fiber	1=1 Meter	0=None
		D=DeMux	22=1559.79nm	2=900um Fiber	2=2 Meter	1=FC/APC
			23=1558.98nm			2=FC/PC
						3=SC/APC
						4=SC/PC
						5=ST
						6=LC