



100GHz 32-Channel Dense Wavelength Division Multiplexer

AC Photonics' 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 AC Photonics' 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 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)	± 0.05	
Minimum Channel Spacing (GHz)	100	
Channel Pass band (@-0.5dB bandwidth) (nm)	≥0.22	
Insertion Loss (dB)	≤ 5.4	
Uniformity (dB)	≤2.0	
Channel Ripple (dB)	≤ 0.4	
Isolation @Add/Drop Channel (dB)	Adjacent	N/A
	Non-adjacent	N/A
Insertion Loss Temperature Sensitivity (dB/°C)	≤0.005	
Wavelength Temperature Shifting (nm/ °C)	≤0.002	
PDL (dB)	≤0.15	
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)	L150xW95xH25	

Specifications may change without notice.
100GHz 20, 40 or other custom channel plans also available.

Ordering Information

DWDM	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
	Channel Spacing	Number of Channel	Configuration	1st ITU Channel	Pigtail Style	Fiber Length	In/Out Connector
	1=100GHZ	32=32 Channel	M=MUX D=DEMUX	C21=1560.61nm C22=1559.79nm C23=1558.98nm	1=Bare Fiber 2=900um Jacket 3=3mm Cable	1=1m 2=2m	0=None 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=ST 6=LC

Package Dimensions

