

**ETU-LINK****DWDM Series**

Optical Communication System

DWDM

100G Dense Wavelength Division Multiplexer

- Low Insertion Loss
- Wide pass band
- High Channel Isolation
- High Stability and reliability
- Epoxy-free on Optical Path



Applications

- Channel Add/Drop
- DWDM Network
- Telecommunication
- Wavelength Routing
- Fiber Optical Amplifier
- CATV Fiber Optic System

Description

Dense wavelength division multiplexer (DWDM Mux/Demux) utilizes thin film coating technology and proprietary design of non-flux metal bonding micro optics packaging. It provides low insertion loss, high channel isolation, wide pass band, low temperature sensitivity and epoxy free optical path.

Makes full range of DWDM products, including 100Ghz. Due to our rich experience of manufacturing, we make DWDM with extremely low loss and high stability and reliability. Different packages and customized package can be offered with request. Common DWDM products package include: bare single DWDM device packed in glass tube or stainless steel tube, DWDM Mux Demux modules packed in ABS box up to 16-channel or even 20-channel Multiplexing on a single fiber or DWDM modules packed in standard 19" 1U rackmount. We can also take "Skip Component" in a DWDM Mux/Demux module to reduce the total IL as an option.

Performance Specifications for 100Ghz or 100Ghz DWDM

Parameter	4 Channel		8 Channel		16 Channel	
	Mux	Demux	Mux	Demux	Mux	Demux
Channel Wavelength (nm)	C-Band					
Center wavelength Accuracy (nm)	±0.1					
Channel Spacing (Ghz)	100Ghz					
Channel Passband (@-0.5dB bandwidth (nm))	100G: >0.3					
Insertion Loss (dB)	≤1.8		≤3.0		≤5.0	
Channel Uniformity (dB)	≤0.6		≤1.0		≤1.5	
Channel Ripple (dB)	0.3					
Isolation (dB)	Adjacent		>30			
	Non-adjacent		>40			
Isolation (dB)	Express with filter		>30			
	Express without filter		>12			
Inertion Loss Temperature Sensitivity (dB/°C)	<0.5					
Wavelength Temperature Shifting (nm/°C)	<0.002					
Polarization Dependent Loss (dB)	<0.1		<0.1		<0.1	
Polarization Mode Dispersion	<0.1					
Directivity (dB)	>50					

Return Loss(dB)	>45	
Maximum Power Handling (mW)	300	
Operatng Temperature (°C)	-5~+75	
Storage Temperature (°C)	-40~+85	
Package dimension (mm) (Glass tube)	Ø4.2*25	
Package dimension (mm) (Steel tube)	Ø5.5*38	
Package dimension (mm) (ABS box)	A: L100 x W80 x H10	B: L120 x W80 x H18
Package dimension (mm) (LGX box)	C: L129 x W29 x H155.5	
Package dimension (mm) (19" 1U Rackmount)	D: L440 x H44 x D200	

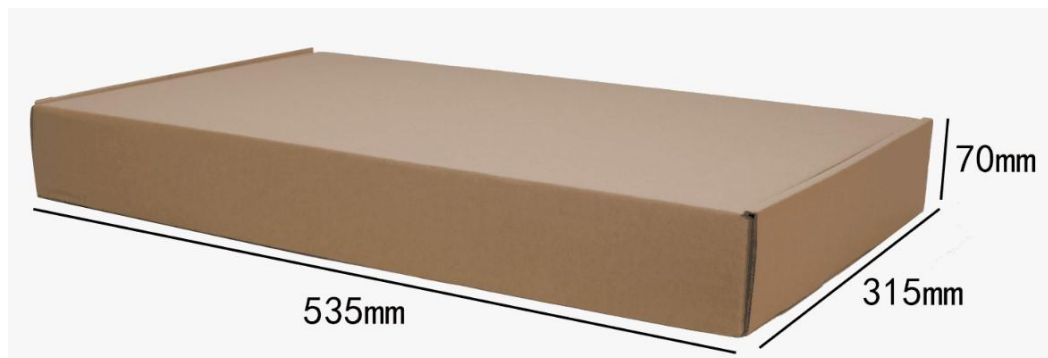
Specification may change without notice.

Package box dimension

1.Package for size A: 100x80x10mm or 120x80x18mm ABS box for 2-18-CH DWDM, Mux+Demux 2pcs module packed together.



2.Package for 19" 1U rackmount: 440 x 44 x 200mm rackmount, 1pc rackmount packed inside.



Note: Package may change without notice, Flyin reserve all rights.

Ordering Information

DWDM	X	X X	X	X X	X	X	X X
	Channel Spacing	Number of Channels	Configuration	1st Channel	Fiber Type	Fiber Length	In/Out Connector
	1=100G	04=4 Channel 08=8 Channel 16=16 Channel 18=18 Channel N=N Channel	M=Mux D=Demux O=OADM	01=C01 21=C21 22=C22 61=C61 SS=special	1=Bare fiber 2=900um Loose tube 3=2mm Cable 4=3mm Cable	1=1m 2=2m S=Specify	0=None 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=ST 6=LC S=Specify

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