

DWDM Mux&Demux LGX Module

4ch/8ch/16ch/32ch/40ch



Features

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

Applications

- Channel Add/Drop
- DWDM Network
- Fiber Optical Amplifier
- CATV fiberoptic System

Description

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 .

Performance Specifications

Parameter		4 Channel	8 Channel	16 Channel	32 Channel	40 Channel
Channel Wavelength(nm)		ITU-T Grid				
Channel Spacing (GHz) GHz		100G/200G				
Insertion Loss(dB)		≤1.6	≤2.6	≤3.8	≤4.6	≤5.0
Channel Ripple(dB)		0.3				
Isolation(dB)	Adjacent	>25				
Isolation(dB)	Non-adjacent	>40				
Insertion Loss Temperature Sensitivity(dB/℃)		≤0.005				
Wavelength Temperature Shifting(nm/℃)		<0.002				
Polarization Dependent Loss(dB)		<0.1				
Polarization Mode Dispersion(PS)		<0.1				
Directivity(dB)		>50				
Return Loss (dB)		>45				
Maximum Power Handling(mW)		500				
Operating Temperature(℃)		-10~80				
Storage Temperature (℃)		-40~85				
dimension (mm) (ABS or Aluminium)		1. L100 x W80 x H10 (2 CH~8CH Module) 2. L120xW80xH18 (9 CH~16CH Module) 3. L140xW115xH18 (>16CH Module))				

Above specification are for device without connector

Order Information

Channel Spacing	Channel Wavelength	Fiber type	Pigtail Type	Fiber length	Connector
50=50G	O:1260~1360nm	1-G652D	A—Bare fiber	00—Other	1—FC/UPC
100=100G	E+S:1360~1530nm	2-G657A	B—900um loose tube	05—0.5m	2—FC/APC
200=200G	C:1530~1565nm	3-Other	C—900um tight tube	10—1m	3—SC/UPC
	L:1565~1625		D—2.0mm loose tube	15—1.5m	4—SC/APC
	C20= 1561.42 nm		E—3.0mm loose tube	20—2 m	5—LC/UPC
					6—LC/APC
					7—Other