

100G, 200G 1x2 DWDM Device(3 Ports)

Flyin optronics' 100GHz/200GHz 1x2 wavelength multiplexer utilizes thin film coating technology and proprietary design of non-flux metal bonding micro optics packaging to achieve optical add or drop at a ITU wavelength. 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.

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
- Wavelength Routing
- Fiber Optical Amplifier
- CATV fiberoptic System



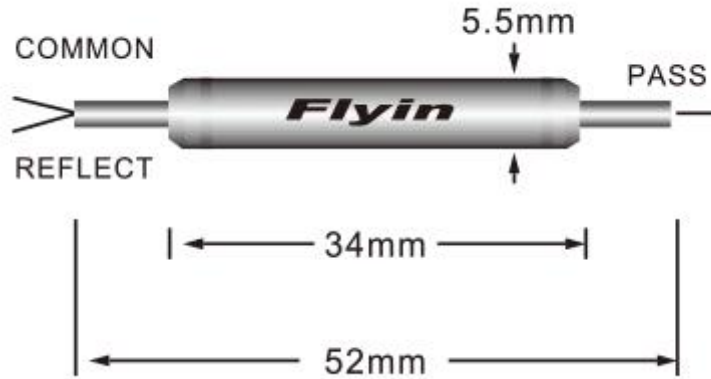
Performance Specifications

Parameter		MUX/DEMUX	
Channel Wavelength (nm)		ITU Grid	
Channel Spacing (Ghz)		100	200
Channel Passband (@-0.5dB bandwidth (nm)		>0.3	>0.5
Pass Channel Insertion Loss (dB)		≤1.0	≤0.9
Reflection Channel Insertion Loss (dB)		≤0.6	≤0.6
Channel Ripple (dB)		<0.3	
Isolation (dB)	Adjacent	>30	
	Non-adjacent	>40	
Inertion Loss Temperature Sensitivity (dB/°C)		<0.005	
Wavelength Temperature Shifting (nm/°C)		<0.002	
Polarization Dependent Loss (dB)		<0.1	
Polarization Mode Dispersion		<0.1	
Directivity (dB)		>50	
Return Loss (dB)		>45	
Maximum Power Handling (mW)		300	
Operatng Temperature (°C)		-10~+75	
Storage Temperature (°C)		-40~+85	
Package dimension (mm)		Φ5.5x34 (L38 for 900um Loose tube)	

Specifications may change without notice.

Above specification are for device without connector.

Package Dimension



Ordering Information

DWDM	X	XX	X	X	XX
	ITU	Pass Channel	Fiber Type	Fiber Length	In/Out Connector
	1=100G 2=200G	01=Ch01 02=Ch02 60=Ch60	1=Bare fiber 2=900um loose tube	1=1m 2=2m	0=None 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=ST 6=LC