



### 1、Description

100/200GHz 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 an 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.

### 2、Features

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

### 3、Specification

Parameter		Specification	
Channel Wavelength (nm)		ITU Grid (C20-C60)	
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
Reflection Wavelength (nm)		1525-1565 (except passband)	
Channel Ripple (dB)		<0.3	
Isolation (dB)	Reflected	>12	
	Pass	>30	
Insertion Loss Temperature Sensitivity (dB/°C)		<0.005	

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Polarization Dependent Loss (dB)	<0.1
Polarization Mode Dispersion	<0.1
Directivity (dB)	D > 50
Return Loss (dB)	>45
Maximum Power Handling (mW)	500
Operating Temperature (°C)	-5~+70
Storage Temperature (°C)	-40~85
Package dimension (mm)	Φ5.5x38

- 1、 Specifications may change without notice.
- 2、 Above specification are for device without connector

#### 4、 Application

- DWDM Network
- Telecommunication
- 5G Cellular Application
- Fiber Optical amplifier
- Wavelengths Routing

#### 5、 Ordering Information:

DWDM	X	XXX	X	X	X
	Channel Spacing	Pass Channel	Fiber Type	Fiber Length	In/Out Connector
	2=200Ghz	C16 H16 ..... C34 H34 ..... C61 H61	1=Bare fiber 2=900um loose tube	1=1m 2=1.5m S= Specify	0=None 1=FC/APC 2=FC/UPC 3=SC/APC 4=SC/UPC 5=LC/APC 6=LC/UPC 7=ST S= Specify