

# 100G/200G DWDM Device & Module

## Description



DWDM device & module is based on the thin film filter technology, which can let two or more different optical wavelength transmit respective signal in one optical fiber, or separate the multiplex signals, the central wavelength space is 100/200GHz.

## Feature

- High channel isolation, low Insertion Loss
- Epoxy-free on optical Path
- High stability and reliability
- Material meet RoHS
- Meet GR 1209, GR 1221 requirement

## Application

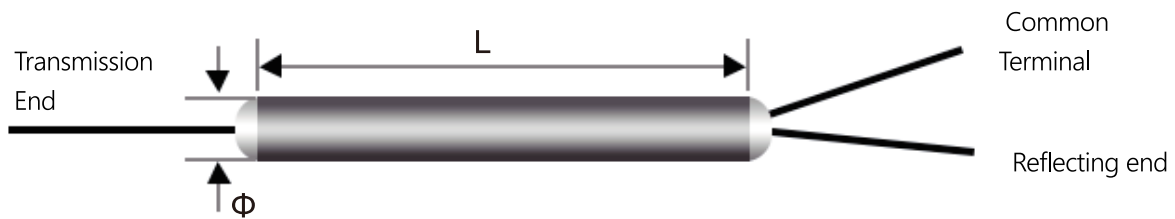
- Metro networks
- Optical add/drop multiplexing
- Expanding existing DWDM systems
- Telecommunications networks

## Specification

Parameter	Unit	Min	Typical	Max
Working Wavelength Range	nm	1500~1570		
Channel Wavelength	nm	ITU Standard		
Passband Width	nm	±0.11		
		±0.25		
Channel Spacing	nm	100G		
		200G		
Pass Channel Insertion Loss	dB	-	-	0.8
Reflection Channel Loss	dB	-	-	0.4
Ripple	dB	-	-	0.3
Adjacent Pass Channel Isolation	dB	30	-	-
Non-adjacent Pass Channel Isolation	dB	45	-	-
Isolation of Pass Channel @ Reflection Port	dB	15	-	-
Directivity	dB	45	-	-
Return Loss	dB	45	-	-
Polarization Dependent Loss	dB	-	-	0.1
Polarization Mode Dispersion	ps	-	-	0.1
Maximum Optical Power	nW	300		
Operating Temperature Range	C	-5~+70		
Storage Temperature Range	C	-40~85		
Optical fiber type	-	Corning SMF 28e+ or equal(customized)		
Optical fiber length	m	≥1.0(customized)		
Package dimension	nm	All glass for bare fiber type Ø4.0x26 Steel tube for loose tube type Ø5.5x39		

XDK®

## Description



## Order Information

81X	X	XX	X	X	X	X
Type		ITU Wavelength	Diameter	Connector	Size	Fiber Mode
DWDM	1= Device	27=CH27	0=250um	0=None	0= Ø4.0x26	1=G657A1
1=100G	2=Module	1555.747nm	1=900um	1=LC/UPC	1= Ø5.5x39	2=G657A2
2=200G		...	2= Other	2=SC/UPC	2= Ø3.2x26	3=G652D
		45= CH45		3=FC/UPC	3= Ø3.8x40	6=Other
		1541.349nm		4=ST/UPC	4=Other	
				5=Other		

Examples:

8112270001 DWDM 100G, 3 Ports device, CH27, 250um, no connector, Ø4.0x26mm, G657A1

8122551111 DWDM 200G, 3 Ports device, CH55, 900um, LC/UPC, Ø5.5x39mm, G657A1