

# Compact CWDM Module

## Description



Compact Coarse Wavelength Division Multiplexer, based on thin-film-filter and micro-optics, this product features small form, ultra low loss and high channel isolation. This technology is a lead-free packaging platform with high reliability.

## Feature

- Mini size
- High reliability
- Low insertion loss and better uniformity
- Ultra-High thermal stability
- Epoxy-free in optical path
- RoHS compliant

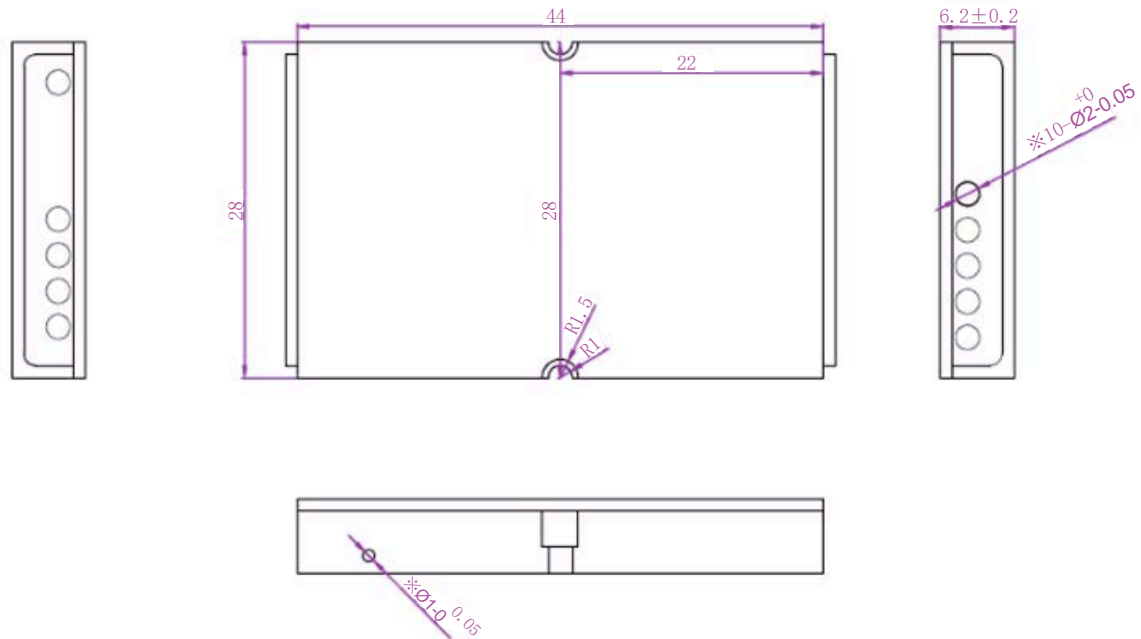
## Application

- CWDM system
- CATV system
- Network upgrading

## Specification

Items		Unit	Parameter			
Channel Number			4	8	8+E1	8+E2
Central Wavelength		nm	1270, 1290...1610 or 1271, 1291...1611			
Passband	Channel	nm	±6.5			
	Upgrade Port	nm	-	-	1310±50	1260~1457
Channel Spacing		nm	20			
Fiber Type		-	Corning SMF-28 with 900mm loose tube			
Insertion Loss	Channel	dB	≤1.0	≤1.5	≤1.6	≤1.8
	Upgrade Port	dB	-	-	≤1.2	≤1.2
Isolation	Adjacent Channel	dB	≥30			
	Non- Adjacent Channel		≥40			
	Upgrade Port		≥15			
Channel Ripple		dB	≤0.3			
Polarization Dependent Loss		dB	≤0.15			
Polarization Mode Dispersion		ps	≤0.1			
Return Loss		dB	≥45			
Directivity		dB	≥50			
Maximum Power Handling		mw	≤500			
Operating Temperature		℃	-5 ~ 70			
Storage Temperature		℃	-40 ~ 85			
Package Dimension		mm	L44*W28*H6			

## Description



## Order Information

84	X	X	X	XX	X	X	X
Type	Function	Wavelength	Channel	ITU wavelength	Connector	Diameter	Fiber Mode
CCWDM	0=Mux &Demux 1= Mux 2=Demux	0= 1NN0 nm 1= 1NN1 nm	4≤4 5=5 ... 9=9 0=10 1=18 2=Other	727=1271nm 29=1291nm ... 59=1591nm 61=1611nm	0=None 1=LC/UPC 2=SC/UPC 3=FC/UPC 4=ST/UPC 9= Other	0=250um 1=900um 2=Other	1=G657A1 2=G657A2 3=G652D 9 =Other

EXAMPLE:

8411927113 CCWDM, Mux, Wavelength ITU1, 9 Channel, 1271nm, LC/UPC, 900um, G652D

8421949211 CCWDM, DeMux, WavelengthITU0, 5 Channel, 1490nm, SC/UPC, 900um, G657A1