





Key Features

- Compact Size
- High Reliability
- Low Insertion Loss and Better Uniformity
- Ultra High Thermal Stability
- Epoxy-Free in Optical Path
- Protocol Transparent
- Simple to install and use

Applications

- CWDM System
- CATV System
- Network upgrading

Compact CWDM Mux/Demux Module

DK Photonics offers a Mini CWDM (compact CWDM) module that provides bandwidth capacity expansion for future network growth in one of the industry's smallest packages. The compact CWDM modules are based on free space optics technology. It is available in 4-or up to 18- channel configurations. It have lower overall insertion loss and better uniformity across the channels. Its compact size and unique carrier tray set it apart, making it easier to deploy in a variety of field situations.



For more Info

Please contact us at:

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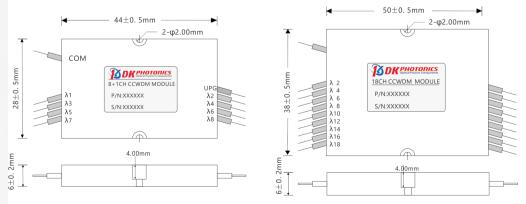
Add.:

4F, Bldg. 18, Qinghu Industrial Park,

Dahe Road, Longhua Dis.,

Shenzhen, China 518109

Package Dimension:



*Due to ongoing design improvements, the package size is subject to change. Please contact DK Photonics for confirmation if you have special requirements.







Compact CWDM Mux/Demux Module

Performance Specifications

Parameter	Specifications	Unit		Value	26			
		Values						
Channel Number	СН	4	8	12	18			
Central Wavelength		nm	1270, 12901610 or 1271, 12911611					
Channels Passband Express Port		nm	+/-6.5					
		nm	1310+/-50, or 1260~1457, or 1462~1620					
Insertion Loss	Channels	dB	<1.0	<1.8	<2.8	<3.5		
	Adjacent Channel	dB	>15					
Mux	Non-adjacent Channel	dB	>15					
Isolation Demux	Adjacent Channel	dB	>30					
	Non-adjacent Channel	dB	>40					
	Upgrade port	dB	>15					
Ripple in Pass-band		dB	<0.5					
Directivity	dB	>50						
Polarization Dependent Loss		dB	<0.20					
Polarization Mode Dispersion		ps	<0.20(GD)					
Return Loss		dB	>45					
Fiber Type		-	Corning G657A1					
Power Handling		mW	<500					
Operating Temperature		°C	-10~70(or -40~85)					
Storage Temperature		°C	-40~85					
	4~8CH	mm		(L)44.0x(W)28.0x(H)6.0				
Package Dimension	n 10~18CH	mm	(L)50.0x(W)38.0x(H)6.0					

^{1.} The above specification is without connector.

Order information P/N: CCWDM-①-②-③-④-⑤-⑥-⑦-®

When you inquire, please provide the correct P/N number according to our ordering information, and attach the appropriate description would be better. If need any connector, we do not recommend choosing a 250µm bare fiber pigtail.

①	2	3	4	6	6	Ø	8
Channel	Module Type	Package	Operating Temperature	1st Channel	Pigtails Diameter	Fiber Length	Connector
4: 4 Channel 8: 8 Channel 4+1: 4+ Express Channel 8+1:8+ Express Channel 18+1:18+Express Channel	M:Mux D:DeMux	0:Standard 1:Special	0: -10~70°C 1: -30~70°C 2: -40~85°C	270:1270nm 271:1271nm 510:1510nm 531:1531nm	25:250μm bare fiber 90:900μm loose tube XX: Others	05:0.5m 10:1.0m 15:1.5m XX: Others	00: None FP: FC/PC FA: FC/APC SP: SC/PC SA: SC/APC LP: LC/PC LA: LC/APC X: Others

Part Number Example: CCWDM-8-M-0-0-471-90-05-LP

Description: 8 channels Compact CWDM Mux Module,1471~1611nm, without Express port, standard package, operating temperature from -10 to 70 □, with 0.9mm OD loose tube,0.5m length fiber pigtails, LC/PC connectors at all ports.

Ordering Information for Custom Parts

If you need to customize other specifications, please provide detailed description for your requirement.

^{2.} IL is 0.3 dB higher and RL is 5 dB lower for each connector added.