

## 18 Channels CCWDM Mux/Demux

### Product Description

The adjacent channels of CCWDM use parallel beams to cascade in free space instead of using optical fibers. Without the fiber used in cascade, the size of CCWDM package can reach 70x60x7mm, which is about 4 times smaller than that of standard CWDM package.

CCWDM optical module is widely used in the fields of coarse wavelength division multiplexing system, PON network, CATV link, telecommunication network, enterprise network, metropolitan area network WDM system, 4G/5G communication mobile system, 100G solution, access network, metropolitan area network WDM system, optical fiber tools and so on.

### Feature

- Low insertion loss
- Wide pass band
- High channel isolation
- High stability and reliability
- Epoxy free on optical path

### Applications

- Broadband Systems
- Optical Add/Drop Multiplexing
- Metro/Access Communication
- Networks
- Fiber Optic Instruments

### Product Overview

Parameter	Value
Center Wavelength	18ch CWDM ITU
Channel Spacing	20 nm
Channel Passband	±6.5 nm
Insertion Loss (CWDM. Port)	≤2.4dB
Adjacent Channel Isolation	≥ 30 dB
Non-adjacent Channel Isolation	≥ 40 dB

Information and specifications are subject to change without notice.  
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Filter Technology	TFF (Thin Film Filter)
Passband Ripple	$\leq 0.5$ dB
Return Loss	$\geq 45$ dB
Directivity	$\geq 50$ dB
Polarization Dependent Loss	$\leq 0.3$ dB
Power Handling	$\leq 300$ mW
Operating Temperature	-40°C~ +85°C
Storage Temperature	-40°C~ +85°C
Fiber length	1.0- 1.1m
Fiber Type	Corning G657A2
Pigtail and Connector Type	0.9mm loose tube with LC/UPC connector
Package Dimension	(L)70×(W)60×(H)7mm aluminum alloy box

**Note:** Losses above include connector loss and adapter loss.

