

Free Space Compact CWDM Module

1. Description

Opfuture's Compact Coarse Wavelength Division Multiplexers (CWDMs) demonstrate low loss and reliable performance. These devices show broad passband and high isolation, making them ideal for operation with inexpensive, uncooled lasers, thereby enabling high capacity, low cost product for the CATV and metro/access markets.

Opfuture provides whole series of Module products that are tailored for specific applications. All products meet GR-1209-CORE and GR-1221-CORE requirements.

2. Features

- Low Insertion Loss
- High Isolation
- Low PDL
- Epoxy free in optical path
- Wide Operating Wavelength
- Wide Operating Temperature
- High Reliability and Stability

3. Applications

- CWDM System
- Access networks
- CATV Links
- Enterprise networks
- Metro WDM Systems

4. Compliance

- Telcordia GR-1209-CORE
- Telcordia GR-1221-CORE
- RoHS



5. Specifications

Compact CWDM Module

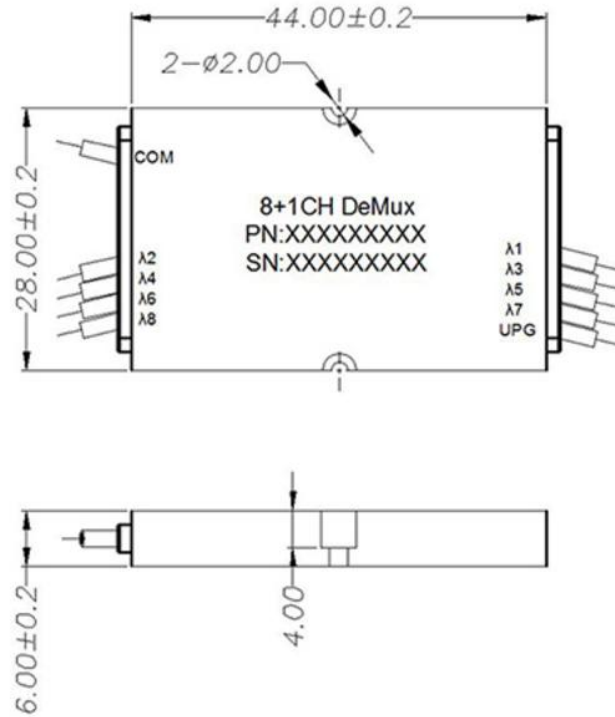
Parameters		Unit	1x4		1x8	
			Typical	Max.	Typical	Max.
Center Wavelength		nm	ITU, ITU+1			
Passband		nm	ITU±6.5			
Operating Wavelength		nm	1260~1620			
Channel Space		nm	20			
Fiber Type		NA	G657A1 or customized			
Insertion Loss	P Grade	dB	≤0.8	≤1.0	≤1.0	≤1.5
	A Grade		≤1.0	≤1.5	≤1.5	≤2.2
Isolation	Adj. Channel	dB	≥30			
	Non-Adj.Channel		≥40			
Ripple		dB	≤0.3		≤0.5	
PDL		dB	≤0.2			
PMD		ps	≤0.2			
RL		dB	≥45			
Directivity		dB	≥50			
Maximum Optical Power		mw	≤500			
Operating Temperature		°C	0 to +70			
Storage Temperature		°C	-40 to +85			
BOX Package		mm	44x28x6			

Notes:

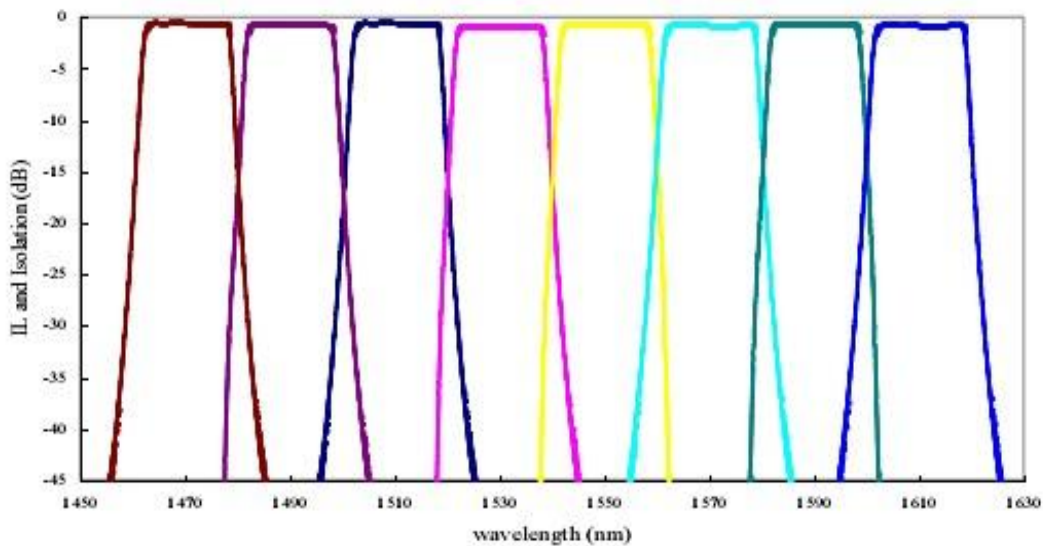
1. Specified without connectors.
2. Add an additional 0.2dB loss per connector.
3. The most channels will be 18CH.

6. Mechanical Dimensions

BOX



44X28X6mm



7. Ordering information

OCCWM - -

A B C D E F G

A	Port Type: 02=1x2 04=1x4 08=1x8 16=1x16 04E=1x4+Express 043=1x4+1310nm
B	Grade: P= P Grade A= A Grade
C	Initial Wavelength: 27=1270/1271nm 61=1610/1611nm
D	Fiber Type: B=250um bare fiber L=900um Loose tube T=900um Tight tube 2=2.0mm Loose tube 3=3.0mm Loose tube
E	Fiber Length: 10=1.0m 12=1.2m 15=1.5m
F	COM Connector: FC/UPC, FC/APC, SC/UPC, SC/APC, LC/UPC, LC/APC
G	Channels Connector: FC/UPC, FC/APC, SC/UPC, SC/APC, LC/UPC, LC/APC

E-mail: sales@op-future.com

Web : <http://www.op-future.com>