

CWDM OADM Module

Descriptions

CWDM, the abbreviation of coarse wavelength division multiplexer, are based on proven thin-film filter technology and can be used in multi-channel CWDM module. CWDM channel Add/Drop module is cascaded with 1×2 CWDM components.

Features

- ▶ Wide passband
- ▶ Low Insertion Loss
- ▶ High Channel Isolation
- ▶ High Stability and Reliability
- ▶ Epoxy Free in Optical Path

Applications

- ▶ Optical Fiber Communication Systems
- ▶ CWDM channel Add/Drop
- ▶ Metro/Access networks
- ▶ CATV Networks



Specifications

Parameters		CWDM Add	CWDM Drop
Operating Wavelength(nm)		1471, 1491 or 1470, 1490 etc.	
Center wavelength accuracy(nm)		±0.5	
Channel Space(nm)		20	
Passband (@-0.5dB bandwidth)(nm)		>13	
Insertion Loss(dB)	Add/Drop Ch	<0.9	
	Express Ch	<1.2	
Add/Drop Pass band Flatness (dB)		<0.3	
Add/Drop channel Isolation(dB)	Adjacent Channel	>30	
	Non-adjacent Channel	>40	
Express channel Isolation (dB) express		>25	
Insertion Loss Thermal Stability(dB/°C)		<0.003	
Wavelength Temperature Shifting(nm/ C)		<0.002	
PDL(dB)		<0.1	
PMD(ps)		<0.1	
Return Loss(dB)		>45	
Directivity(dB)		>50	

Power handling(mW)	≤500
Operating Temperature(°C)	-5 ~ +75
Storage Temperature(°C)	-40 ~ +85
Package Size(mm)	100×80×10

Remark: 1. Above specifications are for device without connector.

2. For devices with connectors, 0.3dB higher for IL.

Ordering Information

OADM – A – B – C – D – E – F – G – H – I		
A	Channel Spacing	C=CWDM
B	Channels Number	2=2Ch
C	1st Channels	1471, 1491, 1511, 1531, 1551, 1571, 1591, etc
D	Pigtail Type	B=250um bare fiber, 0.9=0.9mm loose tube, 2.0= 2.0mm loose tube, 3.0=3.0mm loose tube etc
E	Fiber Type	SMF-28e, SMF-28e XB, Others
G	Connector Type	N=None, LC/UPC, LC/APC, SC/UPC, SC/APC, FC/UPC, FC/APC, etc
H	Package Size	100×80×10mm, Others.
I	Fiber length	005=0.5m, 010=1.0m, etc
For example: OADM –C- 2-14911551--0.9-SMF-28e-FC/APC-100x80x10-010		