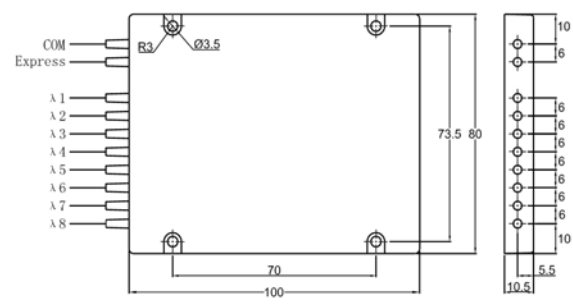




### CWDM 1,2 Channel Optical Add-Drop Multiplexer

CWDM are based on thin film filter technology. They can be used in high-power applications in WDM systems. The products adopt hermetic package craft and environmental stability. CWDM can solve the shortage of fiber and transparent transmission of business, and reduce the cost of network building. With low-cost low power consumption and small compact, it is widely used in metro aggregation and access layer to do transmission on a short time.

The products are Telcordia GR-1221/1209-CORE qualified, and RoHS compliant.



#### Features

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

#### Applications

- ◆ CWDM Channel Add/Drop
- ◆ WDM network
- ◆ Telecommunication
- ◆ Cellular Application
- ◆ Fiber optical amplifier
- ◆ Access Network

### Performance Specifications

Parameter	1 channel		2 channel		
	Add	Drop	Add	Drop	
Operating Wavelength (nm)	1471, 1491 or 1470, 1490 etc.				
Center Wavelength Accuracy (nm)	± 0.5				
Channel Spacing (GHz)	20nm				
Channel Passband (@-0.5dB bandwidth) Min.(nm)	≥13				
Insertion Loss (dB)	Add/Drop Ch.	≤0.6	≤0.9		
	Express Ch.	≤0.6	≤1.2		
Channel Ripple (dB)	≤0.3		≤0.3		
Isolation @add/drop channel(dB)	Adjacent	N/A	>30	N/A	>30
	Non-adjacent	N/A	>40	N/A	>40
Express Channel Isolation (dB)	≥ 25				
Insertion Loss Temperature Sensitivity (dB/°C)	<0.005				
Wavelength Temperature Shifting (nm/ °C)	<0.002				
Polarization Dependent Loss (dB)	<0.10				
Polarization Mode Dispersion (ps)	<0.1				
Directivity (dB)	>50				
Return Loss (dB)	>45				
Maximum Power Handling (mW)	300				
Operating Temperature (°C)	-20 ~+85				
Storage Temperature (°C)	-40 ~+85				
Package Dimension (mm)	L100x W80 x H10.5				

\*\*Specifications may change without notice.

### Order information

OADM-①-②-③③-④④-⑤⑤-⑥⑥



①	②②②②	③	④	⑤⑤	⑥⑥	⑦⑦
Configuration	Wave-length	Package spec	Fiber Type	Fiber Diameter	Fiber Length	Connector
1:1 Ch Add/Drop 2:2 Ch Add/Drop	1270 nm 1290 nm 1310 nm ... 1570 nm 1590 nm 1610 nm	1:100×80×1 0.5 mm X: Others	9: 9/125 X: Others	25:250um 90:900um 20:2.0mm 30: 3.0mm 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 ST: ST/PC LP: LC/PC LA: LC/APC XX: Others