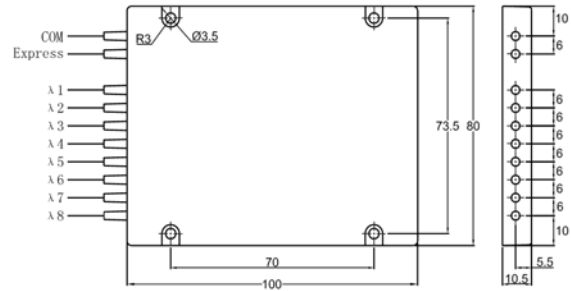




4-Channel Coarse Wavelength Division Multiplexer

4-Channel 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

- ◆ Line monitoring
- ◆ WDM network
- ◆ Telecommunication
- ◆ Cellular Application
- ◆ Fiber optical amplifier
- ◆ Access Network

Performance Specifications

Parameter		MUX	DEMUX
Operating Wavelength (nm)		1460-1610nm	
Center Wavelength Accuracy (nm)		± 0.5	
Channel Spacing (GHz)		20nm	
Channel Passband (@-0.5dB bandwidth) Min.(nm)		>15	
Insertion Loss (dB)		< 2.0	
Channel Uniformity (dB)		< 0.8	
Channel Ripple (dB)		< 0.3	
Isolation (dB)	Adjacent	N/A	>30
	Non-adjacent	N/A	>40
Insertion Loss Temperature Sensitivity (dB/°C)		<0.005	
Wavelength Temperature Shifting (nm/ °C)		<0.002	
Polarization Dependent Loss (dB)		<0.15	
Polarization Mode Dispersion (ps)		<0.1	
Directivity (dB)		>50	
Return Loss (dB)		>45	
Maximum Power Handling (mW)		500	
Operating Temperature (°C)		-30 ~+85	
Storage Temperature (°C)		-40 ~+85	
Package Dimension (mm)		L100 x W80 x H10.5	

**Specifications may change without notice.

Order information

CWDM-①-②-③③-④④-⑤⑤-⑥⑥

①	②	③③	④④	⑤⑤	⑥⑥
Channel	Configura-tion	1st Channel	Fiber Di- ameter	Fiber Length	Connector
4:4 Channel	M:Mux D:DeMux	51:1510nm 53:1531nm 55:1551nm 57:1571nm XX: 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 X: Others