HuiGoo Optic Co.,Limited

CWDM Module

1. Description:

CWDM is using optical multiplexer to different wavelengths of light to reuse the signals to single fiber transmission, the receiving end of the link, with the aid of photolysis multiplexer to mixed signal in the optical fiber signal is decomposed into different wavelengths, connected to the corresponding receiving equipment.

2. Features:

- ◆ Low Insertion Loss
- ◆ More wavelength transmission , save fiber resource
- ◆ High Isolation
- ◆ High Reliability and Stability
- ◆ CATV System
- ◆ Broadband wavelength division system

3. Applications:

- ◆ Telecom System / Wireless Network

4. Specifications:

Parameter		8 ch	18 ch
Operating Wavelength (nm)		1470~1610 or 1270~1610	
Center Wavelength Accuracy（nm）		±0.5	
Channel Space（nm）		20	
Channel Passband（@-0.5dB bandwidth）（nm）		±7.5	
IL（dB）		2.5	6.0
Channel uniformity (dB)		1.0	
Channel Ripple (dB)		0.3	
Isolation（dB）	Adjacent Channel	30	
	Non-Adjacent Channel	45	
IL Temperature Sensitivity（dB/℃）		< 0.005	
Wavelength Temperature Shifting（nm/℃）		< 0.002	
Polarization Dependent Loss（dB）		< 0.1	
Polarization Mode Dispersion（ps）		< 0.1	
Directivity（dB）		≥50	
RL（dB）		≥ 45	
Maximum Optical Power（mW）		300	
Operating Temperature（℃）		0℃~+65℃	
Storage Temperature（℃）		-40℃~+85℃	
Dimension（mm）		L100×W80×H10 orL120×W80×H18	

5. Order Information:

SCWDM	Cinfiguration	OADM	Wavelength	Fiber Type	Fiber Length	Connector
	8=8 Channel 16=16 Channel	M=Mux D=DeMux	510=1510nm 530=1530nm 550=1550nm 570=1570nm ……	1=250um 2=900um tube	1=1 m 2=2 m	0=None 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=ST 6=LC