

1x2 DWDM

Descriptions

DWDM, the abbreviation of dense wavelength division multiplexer, are based on proven thin-film filter technology and can be used in multi-channel DWDM module.

Features

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

Applications

- ▶ Optical Fiber Communication Systems
- ▶ Channel Mux/Demux
- ▶ Router
- ▶ Fiber Optical Amplifier
- ▶ Wavelength Division Multiplexing Systems
- ▶ CATV Networks



Specifications

Parameters		100G	200G
Channel Wavelength(nm)		ITU channels 186.6~196.1THz	
Passband Width(GHz)		≥±12.5	≥±33
Insertion Loss(dB)	Transmission	≤1.0	
	Reflection	≤0.4	
Passband Ripple(dB)		≤0.3	
Isolation(dB)	Adjacent	>30	
	Non-Adjacent	>40	
	Reflection	>12	>13
Return Loss(dB)		>45	
Directivity(dB)		≥50	
PDL(dB)		≤0.1	
PMD(ps)		≤0.1	
Power handling(mW)		≤500	
Operating Temperature(°C)		-20 ~ +70	
Storage Temperature(°C)		-40 ~ +85	
Fiber Type		Corning SMF-28	
Package Size(mm)		Φ5.5× L35 Stainless Steel Tube	

Remark: The above specification is without connector;

with connectors: 0.3dB higher for IL, 5dB lower for RL.

Ordering Information

DWDM – A – B – C – D – E – F – G – H		
A	Port Number	1x2, etc
B	Channel Spacing	100G, 200G etc
C	Channel	196.1THz(CH61) 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 Code	SMF-28e, SMF-28e XB, Others
F	Connector Type	N=None, LC/UPC, LC/APC, SC/UPC, SC/APC, FC/UPC, FC/APC, etc
G	Package Size	5.5x35mm, Others.
H	Fiber length	005=0.5m, 010=1.0m, etc
For example: DWDM –1x2-CH61-0.9-SMF-28e-FC/APCx3-5.5x35-010		