

# Optical WDM

## Plank Single-mode Wavelength Division Multiplexer

**Plank Optoelectronics Inc.** is a professional developer and manufacturer of fiber optical communication components that deploy high-capacity broadband communications networking with advances in Fiber Optics technologies.

### Features

- Compact size
- Low Insertion loss
- Insensitive to operation wavelength
- Bi-directional
- Environmentally stable and reliable

### Applications

- Telecommunications
- CATV
- Subscriber loop
- Local Area Networks(LAN)
- Optical fiber amplifiers



### Specifications

Parameter	980 / 1550		1480 / 1550		1550 / 1625	
	A	B	A	B	A	B
Grade	A	B	A	B	A	B
Max. Insertion Loss (dB)	0.4	0.6	0.6	1.0	0.6	1.0
Min. Isolation (dB)	20	18	12	10	12	10
Bandwidth (nm)	+/-10		+/-5		+/-10	
Polarization Stability (dB)	0.25		0.15		0.15	
Parameter	1310/1550					
Grade	A	B	2 Stage		3 Stage	
Max. Insertion Loss (dB)	0.3	0.5	0.7		1.1	
Min. Isolation (dB)	17	14	30		40	
Polarization Stability (dB)	0.1	0.2	0.15		0.15	
Bandwidth (nm)	+/-15					
Directivity (dB)	>55					
Operation Temp. (°C)	-40 to +70 *					
Temp. Coefficient (dB/°C)	0.002					
Storage Temp. (°C)	-50 to +85					
Dimensions (mm)	Bare Fiber	: 3.0(ψ) x 54(L)				
	Loose Tube	: 3.5(ψ) x 65(L)				
	PVC	: 95(L) x 12(W) x 10(H)				
	2 & 3 stage	: 100(L) x 80(W) x 10(H)				
* Bare fiber: -40 to +70, other package: 0 to +70						
** The specifications listed above do not include the effect of connector loss.						
** Connector Type : SC, FC, ST, SC/APC, FC/APC, LC, MU are all available.						

**Custom-design Services** : Plank is capable of producing high quality fiber optical patchcords, any of your special requirements for various connector combination is welcome to contact with our Sales Department by email [plank@plank.com.tw](mailto:plank@plank.com.tw)

**Private Label Services** : Plank also provides private label services for clients, for further details, please contact with our Sales Department by email [plank@plank.com.tw](mailto:plank@plank.com.tw)