

Optical WDM

Plank Filter type 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 and Micro-optics technologies.

Features

- Different TFF applied
- Low insertion loss
- High isolation
- Epoxy free
- Environmentally stable and reliable
- Small size package



Applications

- CATV fiberoptic link
- WDM application
- Optical Switches
- Fiber amplifier system



Specifications

		Symbol	Value		
			Min.	Typ.	Max.
Operating Wavelength(nm)		λ	1270-1350 & 1500-1600		
Transmit Wavelength (Port 1 to Port 2) (nm)		λT	1310		
Reflect Wavelength (Port 1 to Port 2) (nm)		λR	1550		
Insertion Loss (Transmission) (dB)	Without Connector	IL			0.8
	With Connector				1.2
Insertion Loss (Reflection) (dB)	Without Connector	IL			0.8
	With Connector				1.2
Isolation (dB)	Transmission	IsoT	30		
	Reflection	IsoR	15		
Thermal Stability (dB/°C)		•IL			0.008
Polarization Dependent Loss (dB)		PDL			0.2
Return Loss (dB)		RL	50		
Directivity (dB)		D	60		
Storage temp.(°C)		Tstg	-40 ~ + 85		
Operation temp. (Ambient) (°C)		Top	0 ~ + 65		
Optical Power (mW)		P	250		
Tensile Load (N)		Ft	5		