

PLC Optical Coupler

Plank PLC Optical Coupler

1 x 8 Ports ; 1 x 16 Ports ; 1 x 32 Ports



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

- Low Insertion loss
- Excellent uniformity
- Low polarization relevant
- Wide variety of configurations
- Environmentally stable and reliable

Applications

- FTTx Systems
- CATV Networks
- Wavelength Division Multiplexing
- Fiber to the home
- Optical LAN

Specifications

TYPE		1 x 8	1x16	1x32
Operating wavelength (nm)		1260-1650		
Insertion Loss (dB) ^{1,2}	Typical	10.5	13.5	16.5
	Maximum	11.0	14.0	17.5
Loss Uniformity (dB) ^{1,2}	Maximum	0.8	1.2	1.7
Polarization Dependent Loss (dB) ^{1,2}	Maximum	0.3		
Wavelength Dependent Loss (dB)	Maximum	1.0		
Directivity (dB) ^{1,3}	Minimum	≥55		
Return loss (dB) ^{1,3}	Minimum	≥50		
Operating Temperature (°C)		-40 to 85		
Storage Temperature (°C)		-40 to 85		
Optical Fiber Type		Corning SMF-28 or SMF-28e		
Optical Fiber Length (M)		1.2		
Dimension (mm)		4 x 12 x 60	6 x 20 x 80	
[Built-in Fanout module with 900um Loose Tube]				

Remarks

1. All measurements are made at room temperature.
2. The connector loss is excluded in the listed specifications.
3. The listed specifications are based on bare fiber measurement, connector loss is not included in the listed standard specifications.



Plank Optoelectronics Inc.

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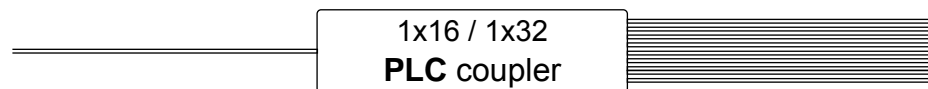
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Optical coupler is a key component in FTTH and distributes the signal from central operator to numbers of premises. This coupler performs stably across temperature/wavelengths and provides low insertion loss, low input polarization sensitivity, excellent uniformity, and high return loss in configuration of 1X8, 1X16 and 1X32 ports.

High reliable optical couplers are suitable for fiber-to-the-home (FTTH) applications:

The products in this category include reliable miniature fused biconic fiber devices (FBFD) of different branching ratios from 1% tap couplers to splitters in 1x2, 2x2, 1x4, 1x8, 1x16, 1x32 configurations, and Plank Planar Lightwave Circuit (PLC) optical coupler is based on splitting in 1x8, 1x16, 1x32 structures. The products have best industrial specifications on current market and provide a variety of connector termination services in our facility.

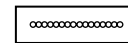
Packaging Description



1 x 32 ports fiber layout :



1 x 16 ports fiber layout :



1 x 8 ports fiber layout :



Custom-design Services : Plank is capable of producing high quality fiber optical Coupler, any of your special requirements for various connector combination is welcome to contact with our Sales Department by email 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



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