



Opto-Link
Corporation Ltd

Planar Lightwave Circuit Splitter

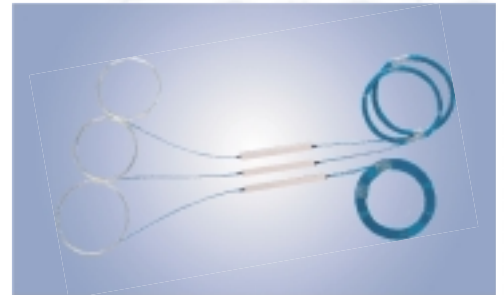
Planar Lightwave Circuit (PLC) Splitters are built using unique silica glass waveguide process. These devices have low insertion loss with high return loss over a wide wavelength range. The input of PLC Splitters distribute optical power to the output ports and are commonly used in FTTx systems, communication networks, Analog Passive Optical Networks, CATV networks and other fiber optic systems.

Applications

- FTTx Systems
- LAN & WAN
- Passive Optical Networks
- CATV
- Signal Distribution

Features

- High Return Loss
- Low Insertion Loss
- Low Polarization Dependent Loss
- Environmentally Stable
- Telcordia GR-1221 & 1209 Qualified



SPECIFICATIONS

Planar Lightwave Circuit (PLC) Splitter

Parameter	Values						Units
	1 x 4	1 x 8	1 x 16	1 x 32	2 x 16	2 x 32	
Operating Wavelength	1310, 1550						nm
Configuration	1 x 4	1 x 8	1 x 16	1 x 32	2 x 16	2 x 32	--
Max. Insertion Loss	7.2	10.5	13.5	16.5	14.3	18.8	dB
Max. Uniformity	0.5	0.6	1.2	1.3	2.5	2.5	dB
Max. PDL	0.2	0.2	0.25	0.3	0.4	0.45	dB
Min. Return Loss	50						dB
Min. Directivity	55						dB
Fiber Type	SMF-28						--
Fiber Length	1						m
Operating Temperature	-40 to +85						°C
Storage Temperature	-40 to +85						°C
Dimensions	3.2x3.9x40	3.2x3.9x40	3.2x3.9x40	3.2x5.9x50	4x7x60	4x7x70	mm

*Above specifications are for device without connectors.

*For device with connectors, IL will be 0.3dB higher, RL will be 5dB lower.

ORDERING CODES

OLPLCS - [] - [] - [] - []

Port	Code
1 x 4	14
1 x 8	18
1 x 16	116
1 x 32	132
2 x 16	216
2 x 32	232

Wavelength	Code
1310 nm	131
1550 nm	155
1310/1550 nm	135
Others	XX

Fiber Diameter	Code
250µm fiber	25
900µm buffer	90

Connector Type	Code
No Connector	NC
FC/UPC	FU
SC/UPC	SU
FC/APC	FA
SC/APC	SA
LC/UPC	LU
ST/UPC	ST
Others	XX

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