



## Planar Lightwave Circuit Splitter (1 × N) (PLCS Series)

Rev 10

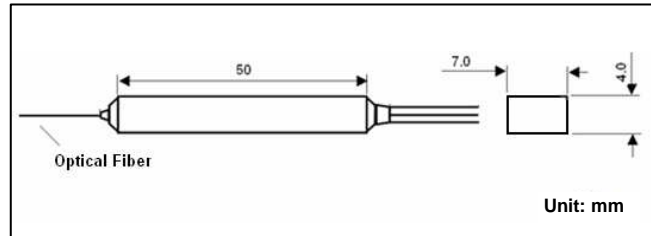
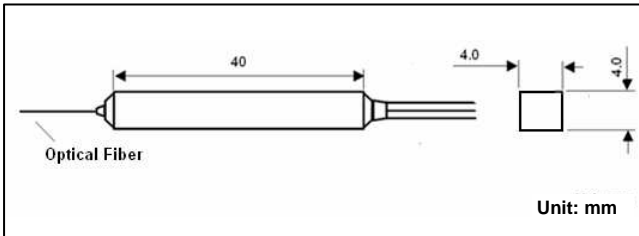
The Planar Lightwave Circuit Splitter is based on unique silica glass waveguide process. It features excellent optical performance with low insertion loss, low PDL, high return loss over a wide wavelength range from 1260 to 1640 nm. It is used in FTTx Systems, LAN, WAN and Metro Networks, Analog Passive Optical Networks, CATV Networks and other applications.

### Specifications

Parameter	Unit	Value			
Configuration		1 × 4	1 × 8	1 × 16	1 × 32
Operating Wavelength	nm	1260 - 1640			
Max. Insertion Loss	dB	7.2	10.5	13.5	16.5
Max. Uniformity	dB	0.5	0.6	1.2	1.3
Max. PDL	dB	0.2	0.2	0.2	0.3
Min. Return Loss	dB	50			
Min. Directivity	dB	55			
Fiber Type		SMF-28 fiber			
Package Dimensions (L × W × H)	mm	40 × 4 × 4	40 × 4 × 4	40 × 4 × 4	50 × 7 × 4
Operating Temperature	°C	-40 to +85			
Storage Temperature	°C	-40 to +85			

\*IL is 0.3 dB higher, RL is 5 dB lower for each connector added.

### Package Dimensions



### Ordering Information

PLCS-①①①①-②-③-④-⑤-⑥

①①①①: Configuration

0104 - 1 × 4

0108 - 1 × 8

0116 - 1 × 16

0132 - 1 × 32

②: Wavelength

1 - 1260 - 1640 nm

S - Specify

③: Package

1 - Rectangular shape

S - Specify

④: Connector Type

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

5 - LC/UPC

N - None

S - Specify

⑤: Fiber Jacket

B - 250 um bare fiber

L - 900 um loose tube

R - Ribbon fiber

⑥: Fiber Length

H - 1.0 m

S - Specify