

# Optical Splitter PLC Cassette Package

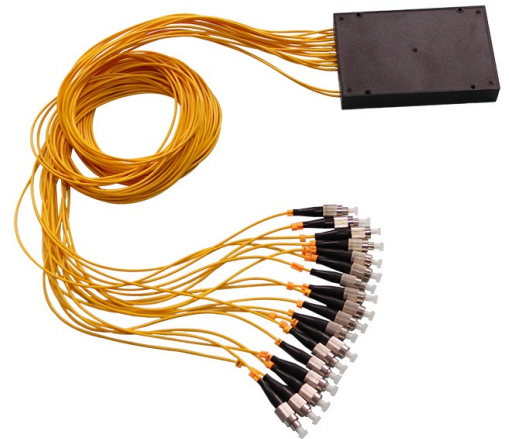
## PLC-CP

### Overview

This optical splitter use Planer Lightwave Circuit (PLC) technology for split ratio 2, 4, 8, 16, 32 and 64. Optical splitter cassette type refers to the port 2.0mm / 3.0mm slip-onfiber multi channel direct output with a plastic box packaging protection and easy to use. Application for FTTX network, LAN/WAN or CATV network.

### Features

- Low Insertion loss
- Low PDL
- Compact Design
- Good channel-to-channel uniformity
- Wide Operating Wavelength: From 1260nm to 1650nm
- Wide Operating Temperature: From -40°C to 85°C
- High Reliability and Stability



### Specification

Characteristics		Unit	Value/Performance										
Operating Wavelength		nm	1260 - 1650, others on request										
Port Configuration		-	1x2	1x4	1x8	2x4	2x8	1x16	2x16	1x32	2x32	1x64	2x64
Insertion Loss		dB	≤4.0	≤7.3	≤10.5	≤7.6	≤11.0	≤13.7	≤14.4	≤16.9	≤17.5	≤21.0	≤21.0
Uniformity		dB	≤0.4	≤0.6	≤0.8	≤1.0	≤1.2	≤1.2	≤1.5	≤1.5	≤1.8	≤2.0	≤2.2
PDL		dB	≤0.2	≤0.2	≤0.2	≤0.2	≤0.3	≤0.25	≤0.3	≤0.3	≤0.4	≤0.35	≤0.4
Directivity		dB	≥55										
Operating Temperature		°C	-20 ~ +70										
Storage Temperature		°C	-40 ~ +85										
Max. Power		mW	300										
Lead Length		m	1, others on request										
Package Type		-	Box, square tube with bare ribbon, flat tube with 900um fibers										
Dimension	Cassette	mm	100x80x10				120x80x18			140x115x18			
	Sq. Tube	mm	40x4x4		50x4x4			50x7x4		60x7x4	60x12x4	N.A.	
	Flat Tube	mm	50x7x4		60x7x4		60x12x4		80x20x6		N.A.		

## Ordering Information

Part Number: **PLC-208BF 1 1m LU- 4 1m LU**

**1 2 3 4 5 6 7 8**

<b>1</b> Configuration	102=1x2, 104=1x4, 108=1x8, 208=2x8, 116=1x16, 232=2x32, etc.
<b>2</b> Package	BF=Bare Fiber, CP=Cassette package, MT=Micro Tube, RM=Rack mount.
<b>3</b> Input Fiber Type	1=250um, 2=900um, 3=2.0mm
<b>4</b> Input Fiber Length	Length in meter, i.e. 1m=1m, 1.5m=1.5m
<b>5</b> Input Connector	Blank=no connector, LU=LC/UPC, SU=SC/UPC, SA=SC/APC, etc.
<b>6</b> Output Fiber Type	1=250um, 2=900um, 3=2.0mm, 4=Bare Ribbon
<b>7</b> Output Fiber Total Length	Length in meter, i.e. 1=1m, 1.5=1.5m
<b>8</b> Output Connector	Blank=no connector, LU=LC/UPC, SU=SC/UPC, SA=SC/APC, etc.

## Packing Info

- A.Transparent plastic box(As default)
- B.Standalone carton box
- C.Economical packing -- One carton box contains several items

