

Planar Lightwave Circuit Splitter Device

Product Features

- Low insertion loss
- Broadband operation
- Low PDL
- Excellent Uniformity
- Environmentally stable

Applications

- Telecommunications
- Local area network
- FTTX
- Testing instruments
- LANs, CATV

Product Specifications

Product Description

Coretech Planar Lightwave Circuit Splitter (PLCP) is based on reliable alignment technology between fiber array and splitter chipset.

PLCP enables a wide bandwidth transmission in terms of low insertion loss and high reliability. It's designed to meet Bellcore for both 1xN and 2xN configurations.

Specifications (1xN)

Parameters	unit	1x4	1x8	1x16	1x32
Operating wavelength	nm	1260~1650			
Insertion Loss (max.)	dB	7.3	10.5	13.5	16.5
Uniformity (max.)	dB	0.5	0.8	1.0	1.5
PDL (max.)	dB	0.2	0.2	0.2	0.2
Directivity (min.)	dB	55			
Return Loss (min.)	dB	50			
Operating Temperature	°C	-40 ~ 85			
Package Dimension(LxWxH)	mm	40x4x4	40x4x4	50x7x4	50x7x4

*Remark: Under all stated optical parameters do not include contribution from connectors

Specifications (2xN)

Parameters	unit	2x4	2x8	2x16	2x32
Operating wavelength	nm	1260~1650			
Insertion Loss (max.)	dB	7.8	11.2	14.6	18
Uniformity (max.)	dB	1.2	1.5	2	2.5
PDL (max.)	dB	0.2	0.4	0.4	0.4
Directivity (min.)	dB	55			
Return Loss (min.)	dB	50			
Operating Temperature	°C	-40 ~ 85			
Package Dimension(LxWxH)	mm	40x4x4	40x4x4	60x7x4	60x7x4

*Remark: Under all stated optical parameters do not include contribution from connectors

Ordering Information

PLCSP-□□-□□-□□-□□-□□-□□-□□

Channel Numbers

1A : 1x4 2A : 2x4
 1B : 1X8 2B : 2X8
 1C : 1X16 2C : 1X16
 1D : 1X32 2D : 2X32
 XX : customer specified

Fiber Type

S1 : SMF-28
 S2 : SMF-28e
 XX : customer specified

Input Pigtail

B : Bare Fiber
 L : 900μm Loose Tube
 X : customer specified

Output Pigtail

B : Bare Fiber
 R : Ribbon Fiber
 F : Fan out kit with 900μm Loose Tube

Input Fiber Length

AB=A.B meter
 Ex: 10= 1.0m; 15= 1.5m

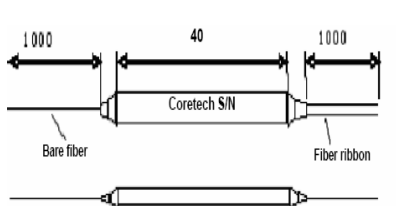
Output Fiber Length

AB=A.B meter
 Ex: 10= 1.0m; 15= 1.5m

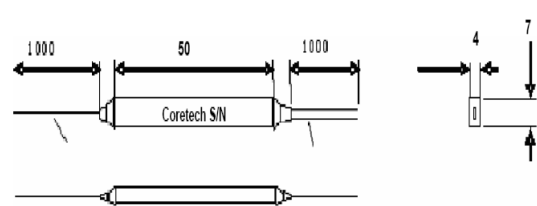
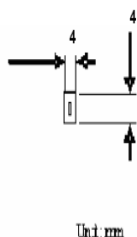
Input / Output Connectors

00=None
 FC=FC/UPC SA=SC/APC
 FA=FC/APC LC=LC/UPC
 SC=SC/UPC XX : customer specified

Dimension Diagram



<Figure 1> 1x4/1x8 Planar Lightwave Circuit Splitter



<Figure 2> 1x16/1x32 Planar Lightwave Circuit Splitter