

SUNSEA		SUNSEA Telecommunications Co., Ltd. TECHNICAL SPECIFICATIONS			
Ordering code		Model		Product Name	Planar Light wave Circuit Splitter
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Planar Light wave Circuit Splitter

1. Technical Specifications

1. 1 Standard:

Compliance with TelcordiaGR-1209-Core 、 TelcordiaGR-1221-Core、 YD/T 2000.1-2009.

1. 2 Inflammability:

Compliance with UL94-V0

1. 3 Main Parameters:

Table1. 1XN splitter

Parameters	1x2	1x4	1x8	1x16	1x32	1x64	1x128
Operating Wavelength (nm)	1260~1650						
Insertion Loss (dB)	≤3.9	≤7.2	≤10.5	≤13.6	≤16.9	≤20.5	≤23.7
Loss Uniformity (dB)	≤0.6	≤0.6	≤0.8	≤1.0	≤1.5	≤2.0	≤2.0
Return Loss (dB)	≥55						
PDL (dB)	≤0.3	≤0.3	≤0.3	≤0.3	≤0.3	≤0.3	≤0.5
Directivity (dB)	≥55						
Pigtail Length (m)	1.0(±0.1) or customer specified						
Fiber Type	G652D、 G657A or customer specified						
Note: All measurements were done at room temperature, and specifications exclude connectors							

Table2. 2XN splitter

Parameters	2x4	2x8	2x16	2x32	2x64	2x128
Operating Wavelength (nm)	1260~1650					
Insertion Loss (dB)	≤7.6	≤11.0	≤14.5	≤17.5	≤21.5	≤24.0
Loss Uniformity (dB)	≤1.0	≤1.2	≤1.5	≤1.8	≤2.0	≤2.0
Return Loss (dB)	≥55					
PDL (dB)	≤0.2	≤0.2	≤0.3	≤0.3	≤0.5	≤0.5
Directivity (dB)	≥55					
Pigtail Length (m)	1.0(±0.1) or customer specified					
Fiber Type	G652D、 G657A or customer specified					
Note: All measurements were done at room temperature, and specifications exclude connectors						

1. 4 Environmental Conditions

1. 4. 1 Operating temperature: -40°C~+85 °C
1. 4. 2 Storage temperature: -40°C~+85 °C
1. 4. 3 Relative humidity: ≤85% (+30 °C)
1. 4. 4 Atmospheric pressure: ≤0.2MPa

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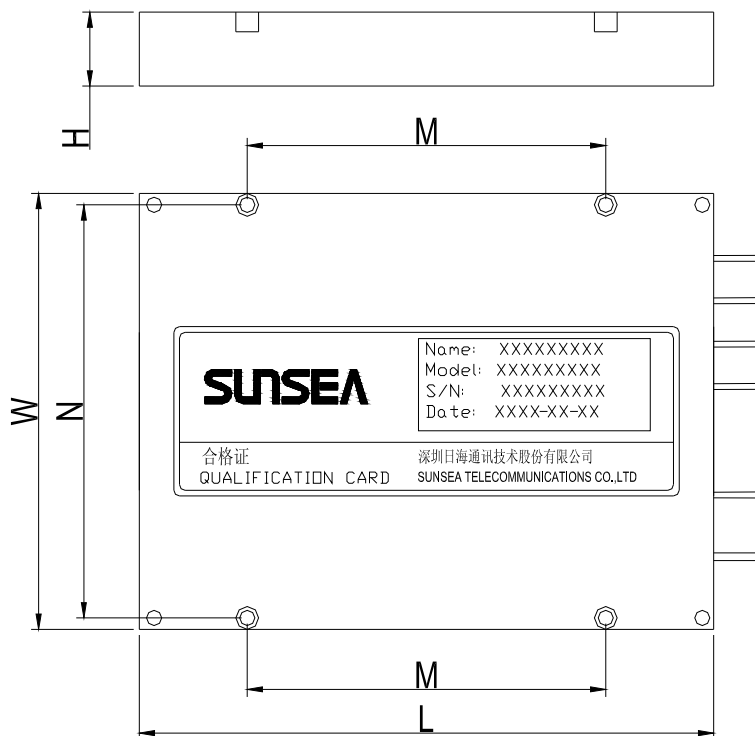
2. Main Charactes

- 2.1 With low insertion loss, Low Polarization Dependent Loss, better return loss and the directivity, spectrophotometry uniform consistency
- 2.2 High reliability, stability
- 2.3 Broadband operating, can 1260nm ~ 1650nm wavelength range to achieve the planned distribution of optical power
- 2.4 Small size, easy to install

3. Dimensions:

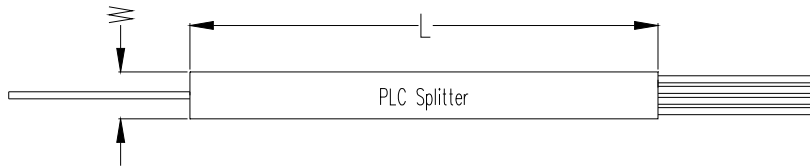
3.1 Box PLC splitter (dimension: Unit is millimeter).Table3:

	1x2	1x4	1x8	1x16	1x32	1X64	1X128	2x4	2x8	2x16	2x32	2x64	2x128
L	≤100		≤120		≤140	≤180	≤100	≤120		≤140	≤180		
W	≤80		≤80		≤115	≤150	≤80	≤80		≤115	≤150		
H	≤10		≤18		≤18	≤22	≤10	≤18		≤18	≤22		
MXN	70X74		80X74		100X106	142X140	70X74	80X74		100X106	142X140		



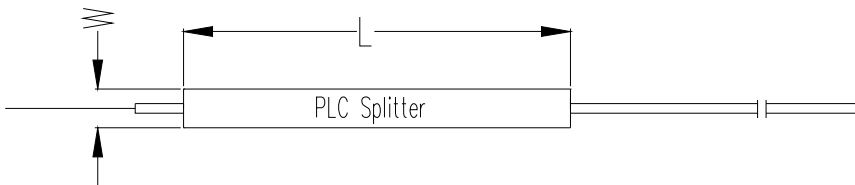
3.2 Mini-Package PLC splitter (dimension: Unit is millimeter).Table4:

	1x2	1x4	1x8	1x16	1x32	1X64	2x4	2x8	2x16	2x32	2x64
L	60		80		100	100	70		90		100
W	12		20		40	40	12		20		40
H	4		6		6	6	4		6		6



3.3 Bare fiber-Package PLC splitter (dimension: Unit is millimeter).Table5:

	1x2	1x4	1x8	1x16	1x32	1X64	2x4	2x8	2x16	2x32
L	40		50		60	60	50		60	60
W	4		7		12	12	4		7	7
H	4		4		4	4	4		4	4



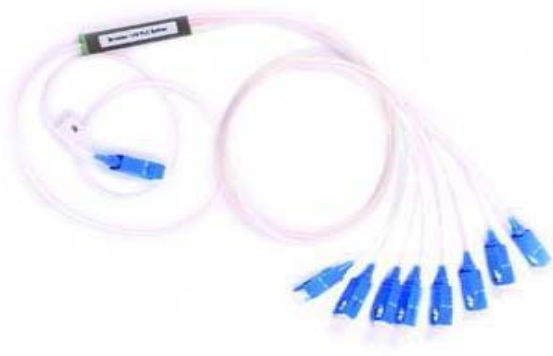
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4. Photo

4.1 Box PLC splitter



4.2 Mini-Package PLC splitter



4.3 Bare fiber-Package PLC splitter

