

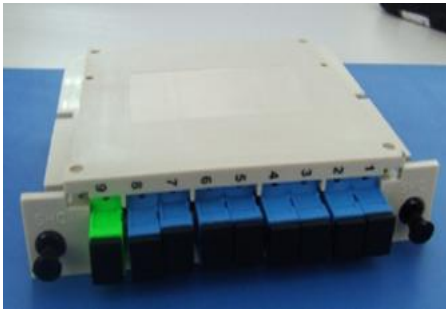
TECHNICAL SPECIFICATION

Blade package type Splitter

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Version	Date	Prepared	Reviewed	Approved

1. Blade package type Splitter 1*4, 1*8, 1*16, SC/UPC adapter.

1.1 General properties:



Splitter

Note: The picture provides a reference only!

1.2 Technical characteristics for splitter:

Type	1X2	1X4	1X8	1X16	1X32	1X64
Channel wavelength(nm)	1260-1650					
Insertion loss(dB)	≤4.4	≤7.5	≤11.0	≤13.7	≤17.5	≤20.7
Loss Uniformity (dB)	≤0.6	≤0.6	≤1.0	≤1.1	≤1.7	≤2.0
Return loss (dB)	≥50					
Polarization dependent loss(dB)	≤0.2	≤0.3	≤0.3	≤0.3	≤0.3	≤0.5
Directivity(dB)	≥55					
Operating temperature (°C)	-40~+80					
Storage temperature(°C)	-40~+80					
Note 1: Above insertion loss values are measured at indoor temperature, including the connector loss; Note 2: Insertion loss of PLC splitter including adapters ,should plus 0.2dB base on above insertion loss; Note 3: Insertion loss of PLC splitter without connectors, should minus 0.2dB base on above insertion loss.						

1.3 Application

- Installed in optical cross connecting cabinet and splitting box. The color can be adjusted according to customers' requirements.

1.4 Feature

- Small size and aesthetic appearance.
- Installation quick, reliable performance, stability.
- Employ integrated optic production process.
- Wide operating wavelength range.
- Good uniformity, in particular the application of PON.
- Add Installation accessories.

1.5 Optical Fiber: G657A1

The optical fiber shall be made of high pure silica and germanium doped silica. UV curable acrylate material is applied over fiber cladding as optical fiber primary protective coating. The detail data of optical fiber performance are shown in the following table:

G.657A1 Fiber

Category	Description	Specifications	
		Before cable	After cable
Optical Specifications	Attenuation @1310 nm	≤0.35 dB/km	≤0.40 dB/km
	Attenuation @1550 nm	≤0.21 dB/km	≤0.30 dB/km
	Zero Dispersion Wavelength	1300~1324 nm	
	Zero Dispersion Slope	≤ 0.092 ps/nm ² ·km	
	Cable Cutoff Wavelength (λ _{cc})	≤1260 nm	
	Macro Bending Loss (10 turns; Φ30 mm) @1550 nm	≤ 0.25 dB	
	(10 turns; Φ30 mm) @1625 nm	≤ 1.0 dB	
	(1 turns; Φ20 mm) @1550 nm	≤ 0.75 dB	
(1 turns; Φ20 mm) @1625 nm	≤ 1.5 dB		
Mode Field Diameter @1310 nm	(8.6~9.5)±0.4μm		
Dimensional Specifications	Cladding Diameter	125±1μm	
	Cladding Non Circularity	≤1.0%	
	Core/Clad Concentricity Error	≤0.5μm	
Mechanical Specifications	Proof Stress	≥1.05%	

1.6CAD drawing

