



HUAWEI SPL2803

Bracket-Mounted Optical Splitter

**Building an
Efficient Fiber Infrastructure**



SPL2803

The SPL2803 series of Bracket-mounted optical splitter is installed in the FAT2119SD to implement the splitting function. The splitter has different splitting ratio which covers N:2 ~ N:32(N=1, 2).

Features & Benefits

Easy Maintenance

- Adaptor: SC/UPC, SC/APC
- Splitting ratio: N:2 ~ N:32(N=1, 2)

Easy operation and maintenance

- The packing structure of the adapter facilitates onsite usage and maintenance.
- The optical splitters can be installed without using any tools, improving the construction efficiency.

Structure



SPL2803 SC/APC 1×8
bracket-mounted optical splitter



SPL2803 SC/UPC 1×16
bracket-mounted optical splitter

SPL Series Specifications

Specification	Description		
Optical split ratio	1:2, 1:4, 1:8, 2:8	1:16	1:32
Dimensions (H x W x D; unit: mm)	25×100×130	50×100×130	50×100×266
Material	PC+ABS		
Adapter type	SC/UPC, SC/APC		
Fireproof class	UL94V-0		
Fiber type	G.657A1		

🔧 Environmental Parameters

Item	Description
Operating Environment	Compliance with GR1209 / GR1221 controlled and non-controlled environments. Ambient Operating temperature range: -40-85 °C (Within unheated indoor and outdoor cabinet/enclosure application)

🔧 Performance Parameters

Optical split ratio	Operating bandwidth (nm)	Operating Wavelength(nm)	Insertion loss with connector and adapter (dB)	Return loss (dB)	Uniformity (dB)	PDL (dB)	Directivity (dB)
1:2 FBT	1310±40 &1490±10 &1550±40	1310/1490 /1550	≤4.0	≥50 (UPC)	≤0.6	≤0.15	≥55
1:4 PLC	1260~1650		≤7.6		≤0.7	≤0.2	
1:8 PLC			≤10.7	≤0.8	≤0.2		
1:16 PLC			≤14.0	≥55 (APC)	≤1.0	≤0.3	
1:32 PLC			≤17.2		≤1.3	≤0.3	
2:8 PLC			1260~1650		≤11.4	≤1.2	

Remark:

- 1.The preceding data is the results of tests carried under 1310/1550 nm wavelength and room temperature.
- 2.The preceding insertion loss includes the insertion loss of the connectors(0.2 dB) and adapters(0.2 dB).
- 3.The end face must be cleaned before the test.
- 4.SPL2803 also supports the split ratio of 2:2/2:4/2:16.

🔧 Adapter type

Optical split ratio	Adapter type
1:2 FBT	SC/UPC
1:4 PLC	SC/UPC SC/APC
1:8 PLC	SC/UPC SC/APC
1:16 PLC	SC/UPC SC/APC
1:32 PLC	SC/UPC
2:8 PLC	SC/UPC