

Planer Lightwave Circuit Splitter

This splitter can branch or combine the optical signals up to 32 ports, utilizing PLC technique. The PLC splitter is most suitable for PON Systems (B-PON, E-PON, etc.).

Features

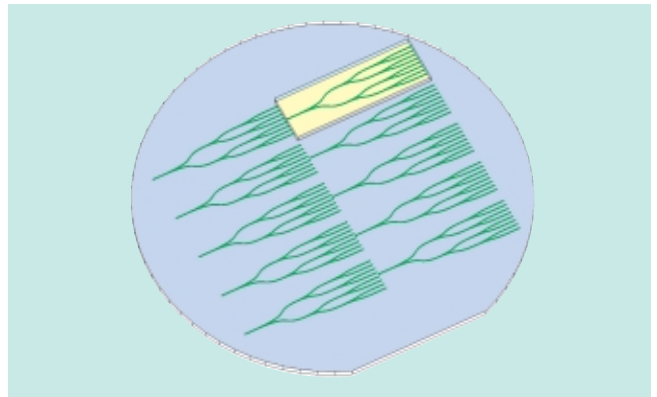
- Compact design
- Wide operating temperature
- Wide operating spectra
- Available with various types of pigtail and box
- The telecordia GR-1209-CORE and GR-1221-CORE conformed
- Most suitable for PON Systems



Ordering Information

SP-SM 132B-UJ-KSC SP-1.0/1.0 W

- | | | | | | | |
|----------------|---|--|---|--|---------------------------------------|---|
| ① | ② | ③ | ④ | ⑤ | ⑥ | ⑦ |
| ① PLC splitter | ② Number of Input/Output Port
104B: 1/4
108B: 1/8
116B: 1/16
132B: 1/32 | ③ Type of Pigtail
UJ : UV-resin coated fiber
HP : ϕ 0.9mm Resin Tube
TK : Cord | ④ Type of Connector (if necessary)
KFC : FC Type
KSC : SC Type
KST : ST Type
KLC : LC Type
KMU : MU Type | ⑤ Polishing of Connector Surface (if necessary)
P : PC Polish
SP: SPC Polish
AP: Angled PC Polish | ⑥ Length of Pigtail (Input/Output)(m) | ⑦ Connector Installation (if necessary)
W : Both Port (Input and Output Port)
S1: Input Port only
S2: Output Port only |



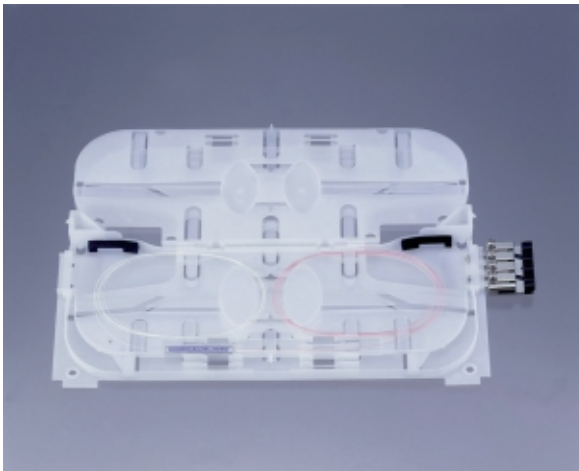
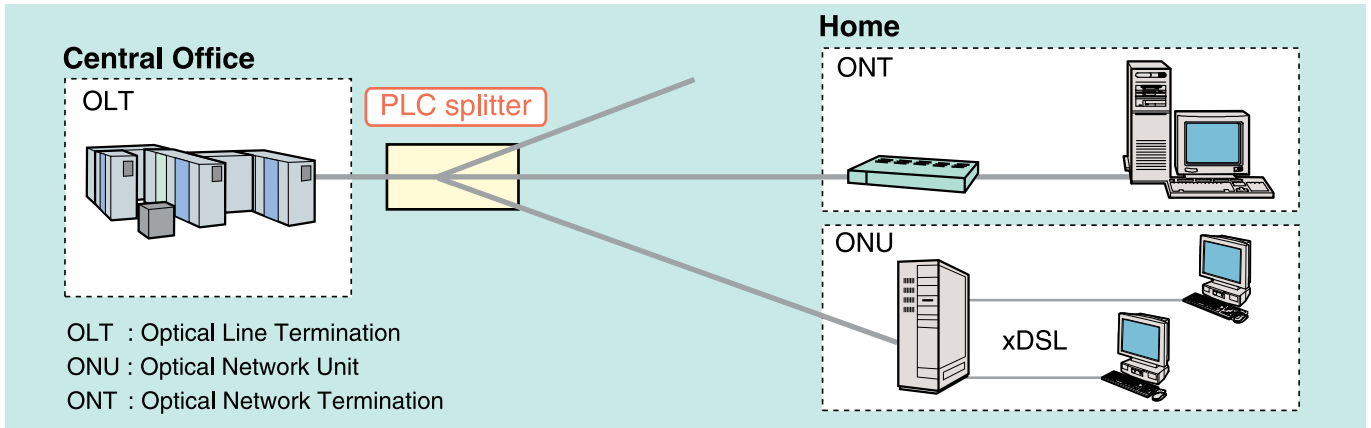
PLC Pattern Image

Specifications

Items		Unit	1 × 4	1 × 8	1 × 16	1 × 32
Operation Wavelength		nm	1280 — 1340 / 1480 — 1600			
Insertion Loss	Average	dB	7.0	10.2	13.5	16.7
	Maximum	dB	7.5	11.0	14.5	18.0
Uniformity		dB	≤ 0.8	≤ 1.0	≤ 1.5	≤ 2.0
Return Loss		dB	≥ 50			
Directivity		dB	≥ 50			
Operation Temperature		°C	-40 ~ +85			
Dimension	Width	mm	4			
	Thickness	mm	4		5	7
	Length	mm	40		50	55

Please contact your SWCC sales office if another type is required.

Application example (PON Systems)



PLC splitter with splice tray of optical closures

Splitter is an optical device for branching optical power using PLC technology. This splitter is utilized for signal branching in telecommunication networks such as the passive optical network (PON) for FTTP, CATV etc. Drastic downsizing makes it possible to mount in splice trays of optical closures.