

PLC Splitter

Cassette Type



Application

- It is suitable for PON networks (including EPON and GPON), providing guarantee for optical signal distribution in the network.
- In FTTX (Fiber - to - the - x) projects, it can achieve efficient optical signal branching.
- In the optical network architecture of data centers, it ensures the stability of data transmission.
- For the optical connection of Internet of Things devices, it helps the efficient operation of the Internet of Things.
- In the optical fiber communication system, it is a key component for optical signal branching.

Key Features

- Series Options: It provides 1x2 series products to meet the needs of different network architectures.
- Low Insertion Loss: The maximum insertion loss is only 4.2 dB, ensuring the efficient transmission of optical signals during the branching process.
- High Return Loss: It has the characteristic of high return loss, ensuring signal quality.
- Reliable Optical Performance: It ensures the stability and high reliability of optical performance, ensuring long - term stability of use.
- Customizable Connectors: Various types of connectors can be customized to adapt to different device interfaces.
- Customizable Fiber Types: It can be customized according to requirements.

Specifications

Parameter	Dimension (mm)	Insertion Loss (dB)	Uniformity (dB)	Return Loss (dB)		PDL (dB)	Directivity (dB)
	L×W×H	MAX	MAX	UPC ≥	APC ≥	MAX	MIN
1x2	130×100×25	4.2	0.8	50	55	0.2	55
1x4		7.6	0.8	50	55	0.2	55
1x8		10.7	0.8	50	55	0.3	55
1x16	130×100×50	14	1	50	55	0.3	55
1x32	130×100×102	17.2	1.5	50	55	0.3	55
1x64	130×180×102	20.6	2	50	55	0.4	55
2x2	130×100×25	4.6	0.8	50	55	0.2	55
2x4		8	1	50	55	0.2	55
2x8		11	1	50	55	0.4	55
2x16	130×100×50	14.6	1.2	50	55	0.4	55
2x32	130×100×102	17.8	1.7	50	55	0.4	55
2x64	130×180×102	21	2.2	50	55	0.5	55

Common Parameters

- **Operating Wavelength:**
 - ◆ The operating wavelength range is applicable to all types of PLC splitters in the table, which is 1260 - 1650 nm.
- **Operating Temperature:**
 - ◆ The operating temperature range for all PLC splitters is -40°C to +85°C.
- **Storage Temperature:**
 - ◆ The storage temperature range for all PLC splitters is -40°C to +85°C.