

SA-BPLC series Box type PLC Splitter SPECIFICATION

Description

Planar Lightwave Circuit (PLC) splitter is a type of optical power management device that is fabricated using silica optical waveguide technology. It features small size, high reliability, wide operating wavelength range and good channel-to-channel uniformity, and is widely used in PON networks to realize optical signal power splitting.



Application

- FTTH, FTTC, FTTB
- Passive Optical Networks (PON)
- CATV networks and data communications
- Fiber optic equipment and systems

Features

- 100% performance tested for insertion loss, return loss and final mechanical inspection
- Optical component configuration uses devices that are compliant to Telcordia GR-1221/1209-CORE
- Ruggedized jacket material of input and output legs provide superior flexibility in temperatures ranging from 40°C to 85°C
- Splitters can be used in: FDH 288, 432
- Conventional connector is SC/APC, optional connector: SC/UPC, LC/APC, LC/UPC
- High uniformity, Low insertion loss, Compact, small size, High reliability and stability

Specifications

Box PLC Specification										
Wavelength(nm)	1260-1650									
Fiber Type	Single mode (G657.A2)									
Optical Fiber Length	1500mm, can be customized									
Jacket O.D.	2.0mm, can be customized									
Splitter Ratio	1×4	1×8	1×16	1×32	1×64	2×4	2×8	2×16	2×32	2×64
Insertion Loss (with connector) (dB)	≤7.4	≤10.5	≤13.8	≤17.1	≤20.4	≤7.5	≤10.8	≤14.1	≤17.4	≤21
Uniformity (dB)	≤0.8	≤0.8	≤1.0	≤1.3	≤2.0	≤1.0	≤1.0	≤1.5	≤2.0	≤2.5
PDL (dB)	≤0.2	≤0.2	≤0.19	≤0.18	≤0.17	≤0.2	≤0.18	≤0.17	≤0.16	≤0.19
Size(H×W×L) (mm)	10×80×100		18×80×120		18x115x141	10×80×100		18×80×120		18x115x141
Return Loss(dB)	UPC≥50 APC≥55									
Directivity(dB)	≥55									
Temperature Range(°C)	-40~+85									
Storage Temperature(°C)	-40~+85									

Ordering Information

P/N	Description	
SA-BPLC-XXX-YYY	Box type PLC, with selection of different connector type and splitter ratio. Cable O.D. is 2.0mm. Input and output length can be customized; defaults are 1.5 meter.	
	XXX	connector type SCA - SC/APC SCU - SC/UPC LCA - LC/APC LCU - LC/UPC
	YYY	splitter ratio 104 - 1:4 type 108 - 1:8 type 116 - 1:16 type 132 - 1:32 type 164 - 1:64 type 204 - 2:4 type 208 - 2:8 type 216 - 2:16 type 232 - 2:32 type 264 - 2:64 type

Example: **SA-BPLC-SCA-132**. box type PLC, with SC/APC connector, 1:32 ratio. Fiber cable length is 1.5m for input and output with O.D. 2 mm (by default unless remarked).

Provided by: Mega Hertz | 800-883-8839 | info@go2mhz.com | www.go2mhz.com

<https://www.go2mhz.com/product/planar-lightwave-circuit-plc-splitter/>