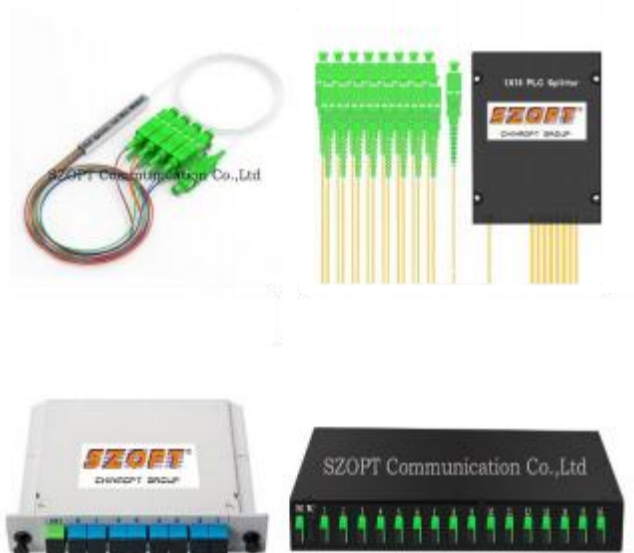


FTTx System

Fiber PLC Splitter

Overview

Fibre optic splitter is a network component that distributes incoming light (one or two input fibers) in equal parts towards multiple output fibers (2-64). Splitters are available with 250 μ m bare fibers, 900 μ m buffered fibers and 2.0 mm cords. Input and output cords and fibers can have various lengths and can be terminated by optical connectors. SZOPT fibre optic splitters can be integrated inside several products and/or applications in combination with keen fibre or cable management systems.



Features

- Wide Operating wavelength From 1260 - 1650 nm
- Low excess loss & High performance
- Good uniformity & Low PDL
- Small package size
- Various connector type & Package Size available

Operating Altitude: 0 to 3820 m above sea level

Relative Humidity: 5% to 95% RH

Applications

- Telecommunications networks
- CATV system
- Optical equipment
- Fiber optic sensors
- FTTH and FTTx

Specifications

1 × N PLC Splitter

Parameters	1x2 Port	1x4 Port	1x8 Port	1x16 Port	1x32 Port	1x64 Port
Operating Wavelength(nm)	1260 ~ 1650					
Fiber Type	G657B3					
Insertion Loss with SCAPC (dB)	4.1	8.0	11	14	17.1	20.8
Uniformity(dB)	0.4	0.6	0.8	0.8	1.5	2
Return Loss(dB)	55	55	55	55	55	55
PDL(dB)	0.2	0.2	0.2	0.3	0.3	0.35
Directivity (dB)	55	55	55	55	55	55
Temperature Stability(-40 ~ 85℃)(dB)	0.5	0.5	0.5	0.5	0.5	0.5
Operating Temperature(℃)	-40 ~ 85					
Storage Temperature (℃)	-40 ~ 85					
Mini Module Dimension (LxWxH)	60x7x4	60x7x4	60x7x4	60x12x4	80x20x6	100x40x6
ABS Box Dimension (LxWxH)	100x80x10	100x80x10	100x80x10	120x80x18	120x80x18	140x115x18
Bare Fiber Dimension (LxWxH)	40x4x4	40x4x4	40x4x4	50x7x4	50x7x4	60x12x4

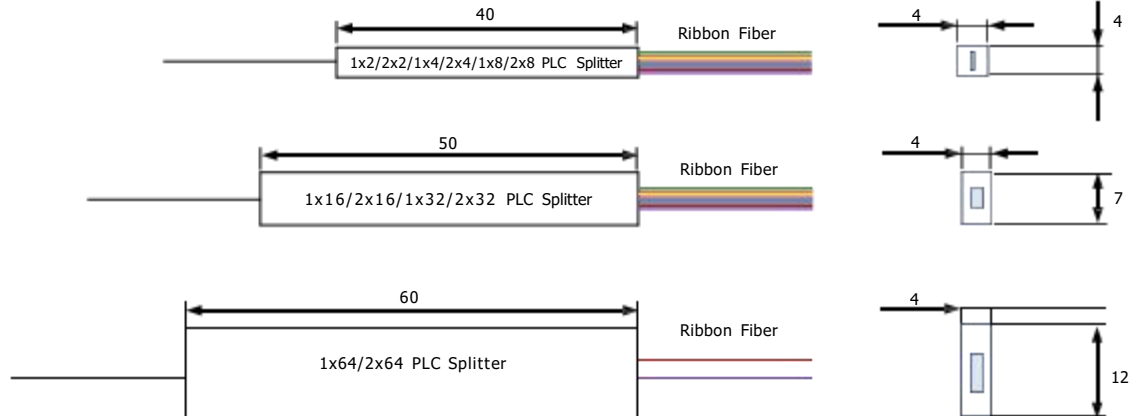
- Note:SC/APC connectors used in the PLC splitters are manufactured with zirconia ceramic ferrules;
Standard: IEC 61753
- Connector Quality Grade: B/1
- Insertion Loss - Grade B: ≤ 0.12 dB average
- Maximum Insertion Loss: ≤ 0.25 dB for >97% of samples
- Return Loss - Grade 1: ≥ 60 dB (mated pair)
- Operating Temperature: -40 ° C to +85 ° C
- Connector Durability: >1000 connection/disconnection cycles

2 × N PLC Splitter						
Parameters	2x2 Port	2x4 Port	2x8 Port	2x16 Port	2x32 Port	2x64 Port
Operating Wavelength(nm)	1260 ~ 1650					
Fiber Type	G652D/G657A1/G657A2					
Insertion Loss(dB)	4.1	7.4	10.8	14.3	17.3	21
Uniformity(dB)	1	1.5	1.5	2	2	2.5
Return Loss(dB)	55	55	55	55	55	55
PDL(dB)	0.3	0.3	0.3	0.3	0.3	0.5
Directivity (dB)	55	55	55	55	55	55
Temperature Stability(-40 ~ 85℃)(dB)	0.5	0.5	0.5	0.5	0.5	0.5
Operating Temperature(℃)	-25 ~ 70					
Storage Temperature (℃)	-25 ~ 70					
Mini Module Dimension (LxWxH)	60x7x4	60x7x4	60x7x4	60x12x4	80x20x6	100x40x6
ABS Box Dimension (LxWxH)	100x80x10	100x80x10	100x80x10	120x80x18	120x80x18	140x115x18
Bare Fiber Dimension (LxWxH)	40x4x4	40x4x4	40x4x4	50x7x4	50x7x4	60x12x4

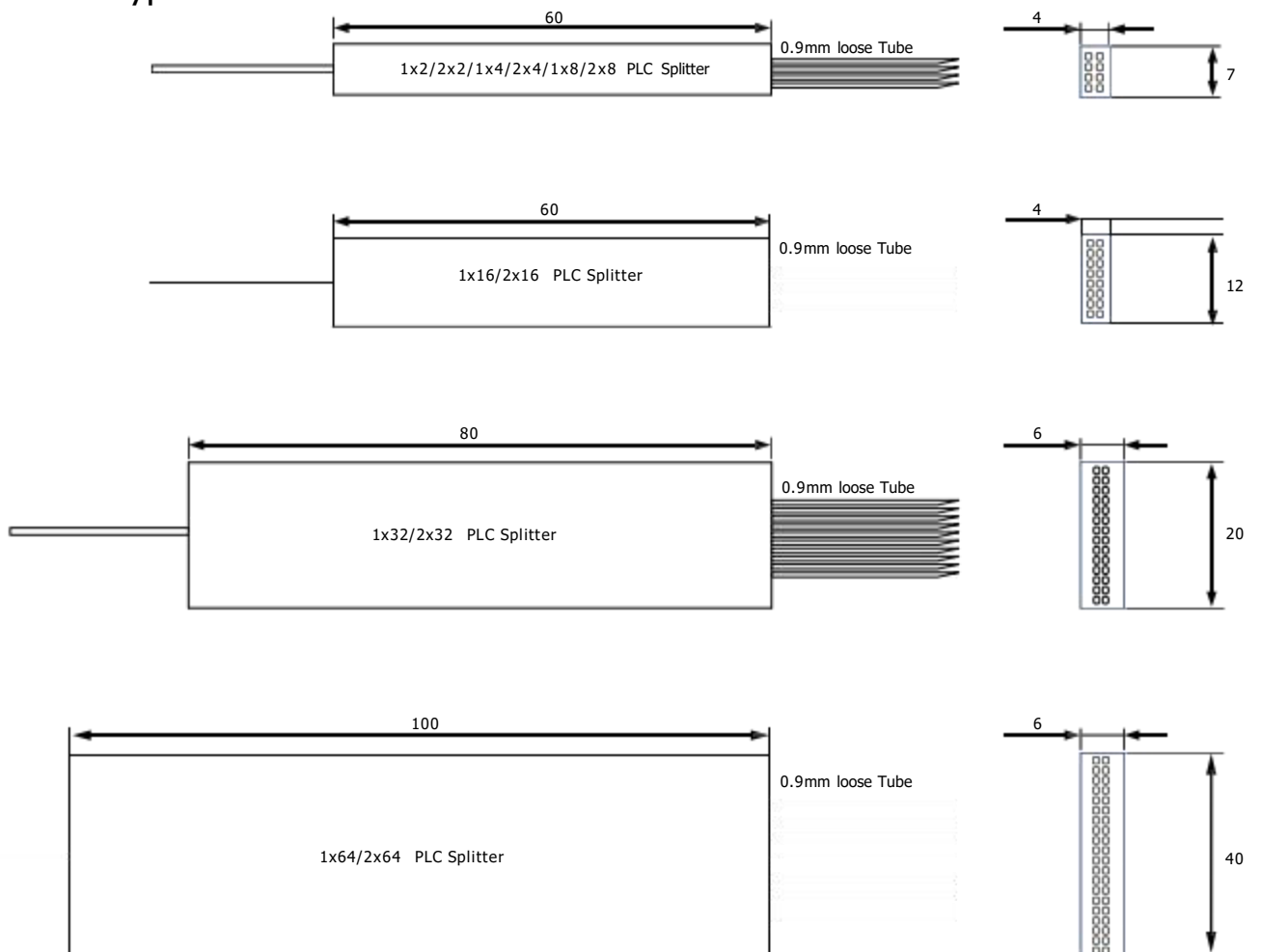
Note: Add an additional 0.3dB loss per connector.

Specifications

Bare Fiber Type

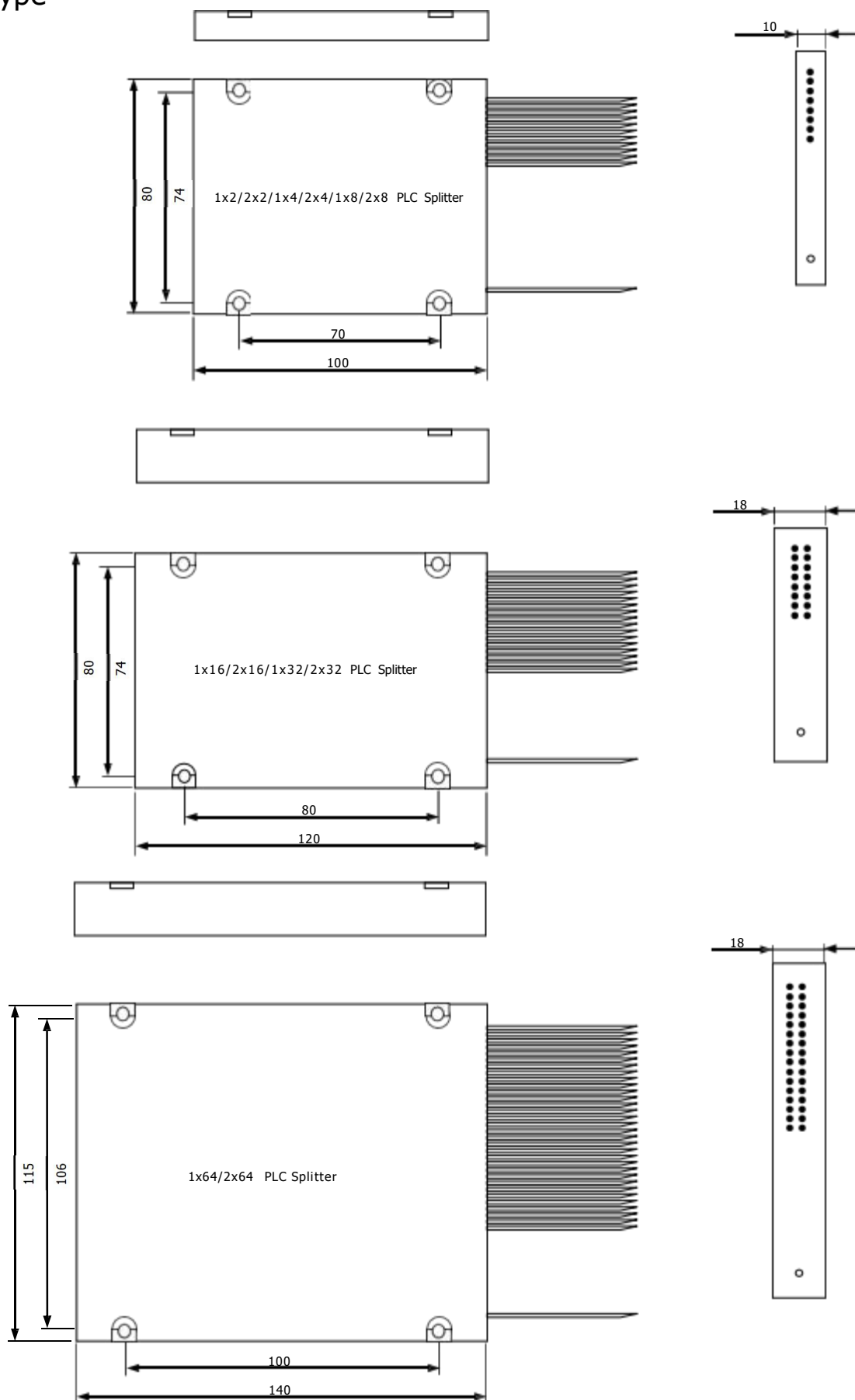


Mini Module Type



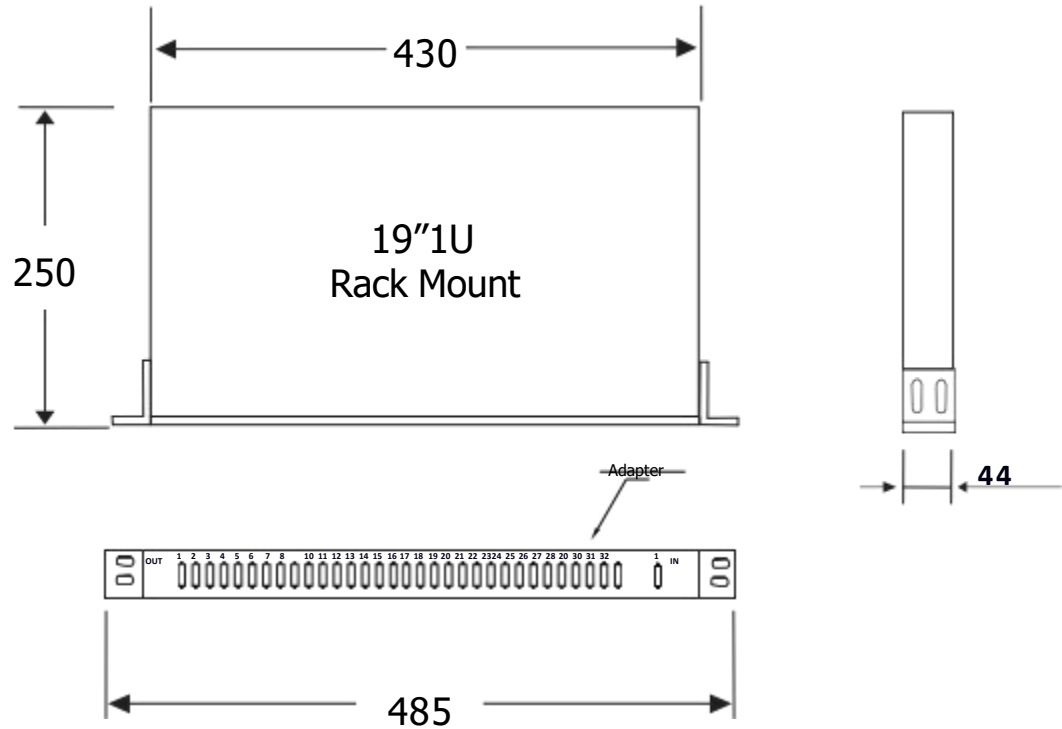
Specifications

ABS BoxType

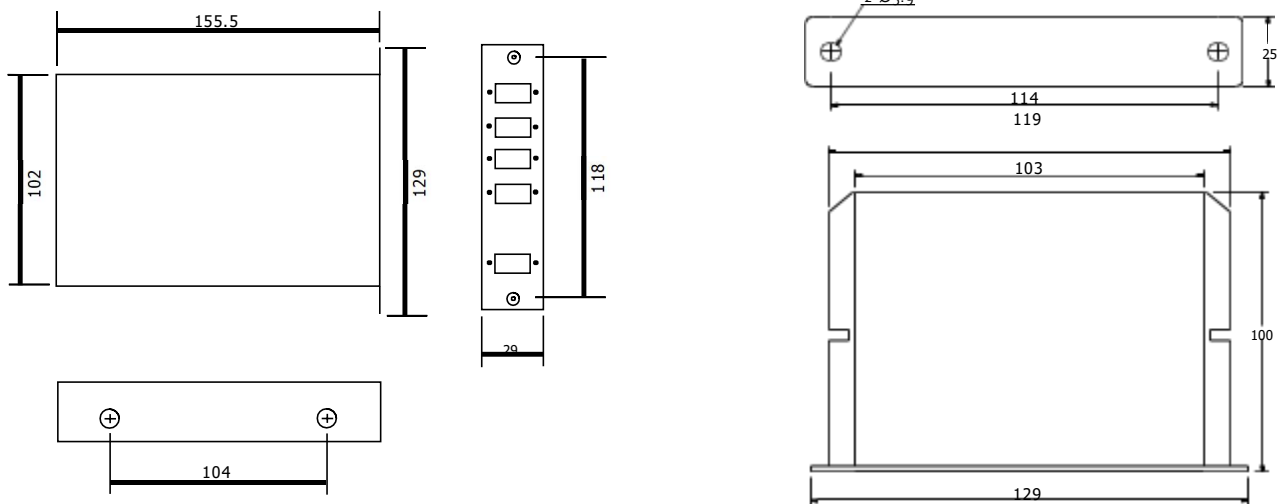


Specifications

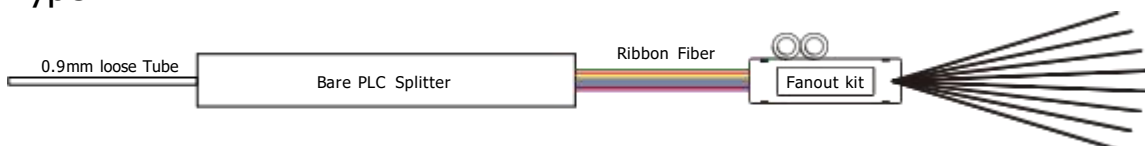
19"1U Rack



LGX BoxType



Fan-Out Type



Packing information

1.Model: SZ-PLC-888-4 1X4 PLC splitter, ABS box type(box size 100*80*10mm) ,input 2.0mm G657B3 1m SCAPC ,Output 2.0mm G657B3 1m SCAPC.MOQ:500pcs

Individual packing,1pc/Blister box ,size:262*215*21mm,G.W:0.025kg ,
300pcs/carton ,Size:73*30*37cm,G.W:8.5kg,N.W:7kg,HS code:8536700000

2.Model: SZ-PLC-888-8 1X8 PLC splitter ,ABS box type(box size 100*80*10mm) ,input 2.0mm G657B3 1m SCAPC ,Output 2.0mm G657B3 1m SCAPC.MOQ:500pcs

Individual packing,1pc/Blister box ,size:262*215*21mm,G.W:0.05kg ,
300pcs/carton ,Size:73*30*37cm,G.W:16kg,N.W:15kg,HS code:8536700000

3.Model: SZ-PLC-888-16 1X16 PLC splitter , ABS box type(box size 120*80*18mm) ,input 2.0mm G657B3 1m SCAPC ,Output 2.0mm G657B3 1m SCAPC.MOQ:500pcs

Individual packing,1pc/Blister box ,size:270*216*35mm,G.W:0.087kg ,
125pcs/carton ,Size:73*30*37cm,G.W:12kg,N.W:11kg,HS code:8536700000

4.1X4 LGX PLC splitter, (box size 130*100*25mm) ,with SCAPC.MOQ:500pcs adapters

Individual packing,1pc/bag ,bag size:16*18inch,G.W:0.1kg ,
100pcs/carton ,Size:55*35*25cm,G.W:10kg,N.W:11kg,HS code:8536700000

5.1X8 LGX PLC splitter, (box size 130*100*25mm) ,with SCAPC.MOQ:500pcs adapters

Individual packing,1pc/bag ,bag size:16*18inch,G.W:0.13kg ,
100pcs/carton ,Size:55*35*25cm,G.W:14kg,N.W:13kg,HS code:8536700000

6.1X16 LGX PLC splitter, (box size 130*100*50mm) ,with SCAPC.MOQ:500pcs adapters

Individual packing,1pc/bag ,bag size:16*18inch,G.W:0.25kg ,
50pcs/carton ,Size:55*35*25cm,G.W:13.5kg,N.W:12.5kg,HS code:8536700000