

PLC Splitter

PLC Splitter is based on the planar waveguide technology. PN provide available customized design for the different assembly request. The splitters are certified by Telcordia and Verizon requirement.

Features

- Low insertion loss
- Low PDL
- High return loss
- Uniform power splitting
- Compact design
- Wide operating wavelength
- Wide operating temperature
- Excellent environmental & mechanical stability
- Comply to Telcordia GR-1221 and GR-1209

Applications

- FTTx (FTTB, FTTH, FTTC)
- Passive optical networks (PON)
- Local area networks (LAN)
- CATV systems
- Test Equipments



Specifications(1×N Splitters):

Parameter		Unit	Value										
Operating Wavelength		nm	1260~1650										
Port Configuration			1×2	1×3	1×4	1×6	1×8	1×12	1×16	1×24	1×32	1×64	1×128
Insertion Loss (Max.)	Grade P	dB	3.6	6.0	7.0	9.2	10.3	12.2	13.6	15.8	16.6	20.1	24.5
	Grade S	dB	4.3	6.2	7.4	9.5	10.7	12.5	13.9	16.0	17.2	21.5	25.5
Uniformity (Max.)		dB	0.5	0.6	0.8	0.8	0.8	1.2	1.4	1.5	1.5	2.0	2.6
PDL (Max.)		dB	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.8
TDL (Max.)		dB	0.5										
Return Loss (Min.)		dB	55										
Directivity (Min.)		dB	55										
Working Temperature		℃	-40 to +85										
Storage Temperature		℃	-40 to +85										

Note: All the data above does not include connectors.

UPC Connectors: IL add 0.2dB, APC Connectors: IL add 0.3dB.

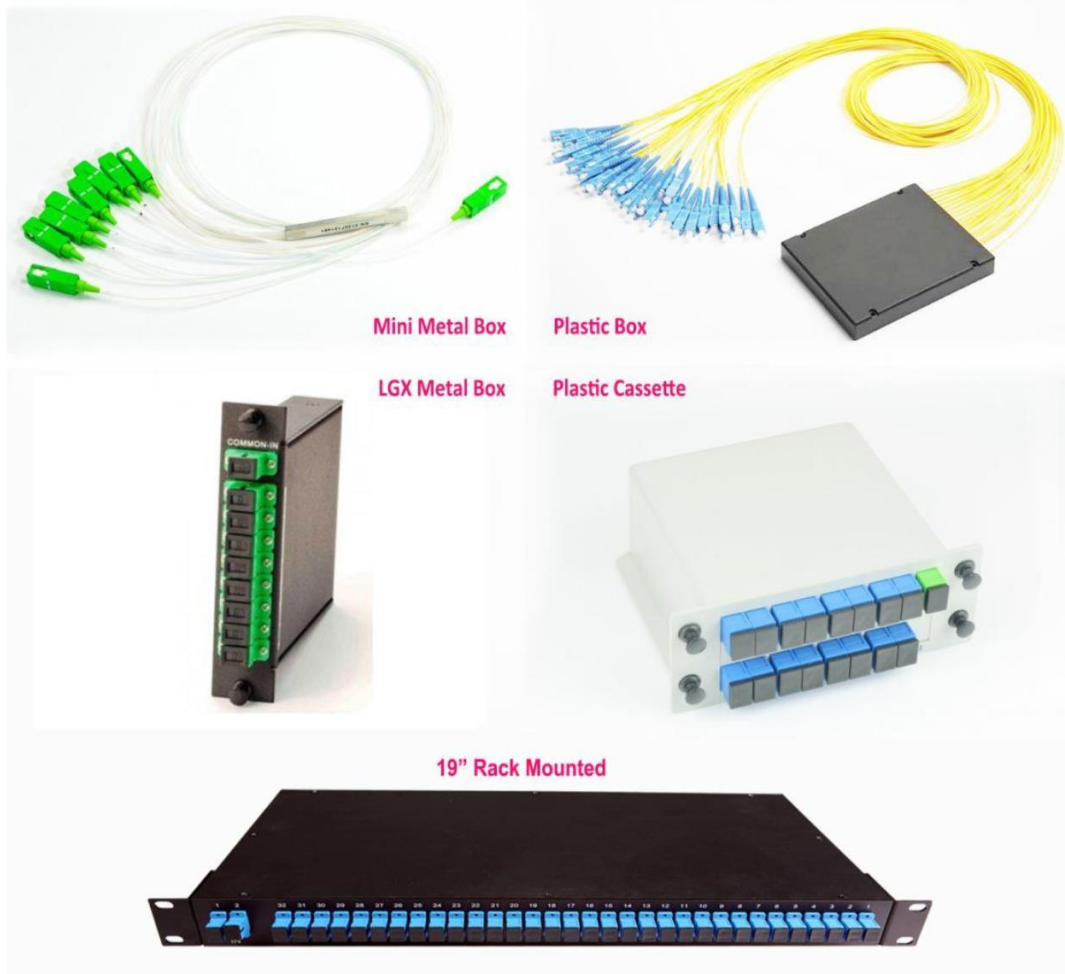
Specifications(2×N Splitters):

Parameter		Unit	Value						
Operation Wavelength		nm	1260~1650						
Product Type			2×2	2×4	2×8	2×16	2×32	2×64	2×128
Insertion Loss (Max.)	Grade P	dB	4.2	7.2	10.6	13.8	17.0	20.5	24.8
	Grade S	dB	4.5	7.7	11.0	14.8	17.9	21.5	25.8
Uniformity (Max.)		dB	0.8	1.0	1.2	1.5	1.8	2.5	3.0
PDL(Max.)		dB	0.2	0.3	0.3	0.3	0.3	0.5	1.0
TDL(Max.)		dB	0.5						
Return Loss (Min.)		dB	55						
Directivity (Min.)		dB	55						
Working Temperature		℃	-40 to +85						
Storage Temperature		℃	-40 to +85						

Note: All the data above does not include connectors.

UPC Connectors: IL add 0.2dB, APC Connectors: IL add 0.3dB.

Package Options:



Code	Dimension		Code	Dimension	
A1	40x4x4	Stainless Steel Tube	A12	55x7x4	Stainless Steel Tube
A2	45x4x4	Stainless Steel Tube	D	90x20x9.5	Plastic Box
A3	45x4.5x4	Stainless Steel Tube	E	100x80x10	Plastic Box
A4	50x7x4	Stainless Steel Tube	F	141x115x18	Plastic Box
A5	60x7x4	Stainless Steel Tube	K	120x80x18	Plastic Box
A6	60x12x4	Stainless Steel Tube	U	1U,2U,3U,4U	19" rack
A7	65x7x4	Stainless Steel Tube	G	1G,2G,3G,4G	LGX' Aluminum Box
A8	80x12x4	Stainless Steel Tube	C	4CH/8CH/16CH/32CH/64CH	Cassette
A9	80x20x6	Stainless Steel Tube	T	4CH/8CH/16CH/32CH/64CH	Pallet
A10	90x20x6	Stainless Steel Tube	R	Splice Tray (required dimension)	
A11	100x40x6	Stainless Steel Tube	X	Customized package	

Changsha Puneng Electronic Co.,Ltd.

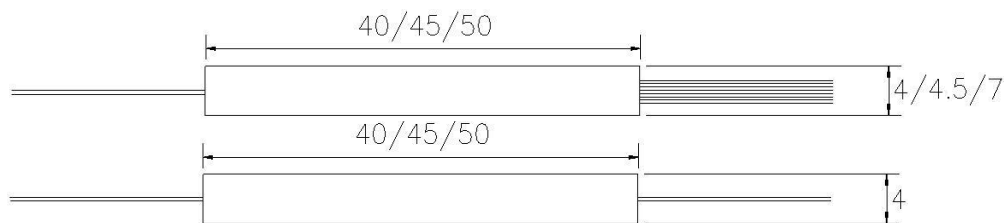
Add: Maqiaohe Road,Wangcheng Economic and Technological

Development Zone,Changsha

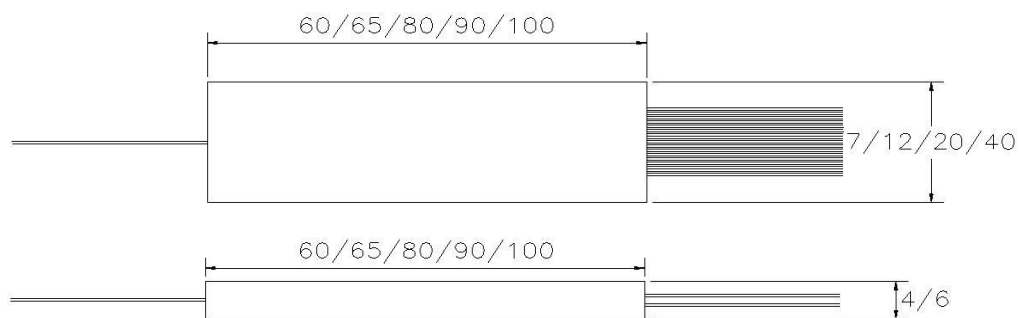
Postal Code: 410210 Cel:+86-18551095665

1. Stainless Steel Tube:

1) A1 (40×4×4) / A2 (45×4×4) / A3 (45×4.5×4) / A4(50×7×4) :

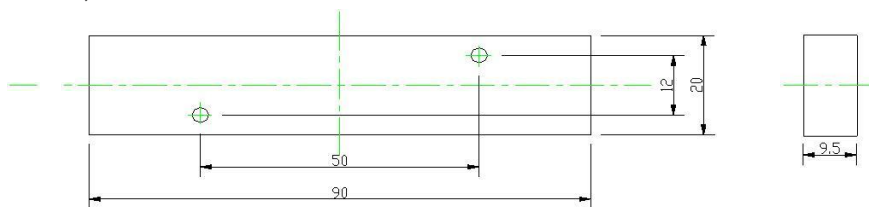


2) A5(60×7×4)/ A6(60×12×4)/ A7(65×7×4)/ A8(80×12×4)/ A9(80×20×6)/ A10(90×20×6)/ A11(100×40×6) :

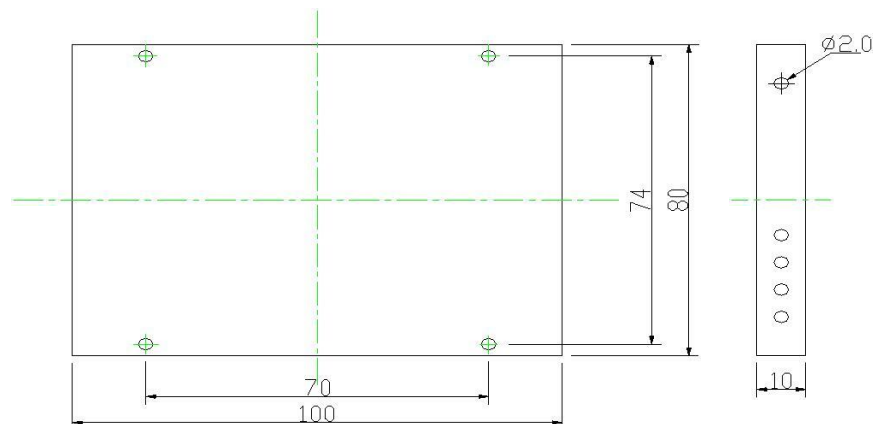


2. Plastic Box:

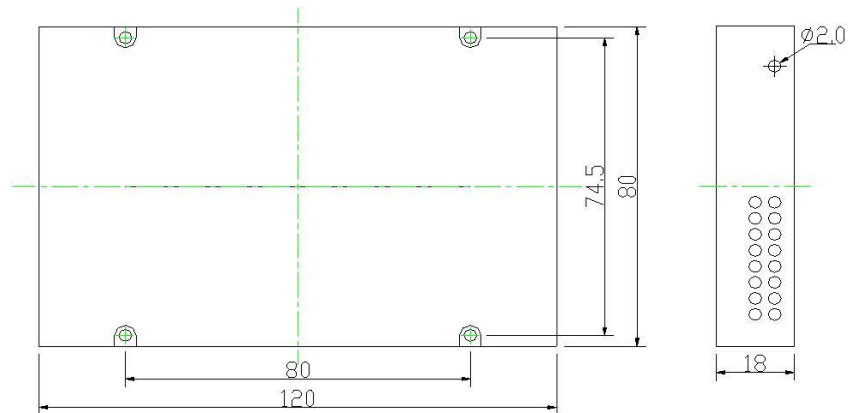
1) D (90 X20 X9.5)



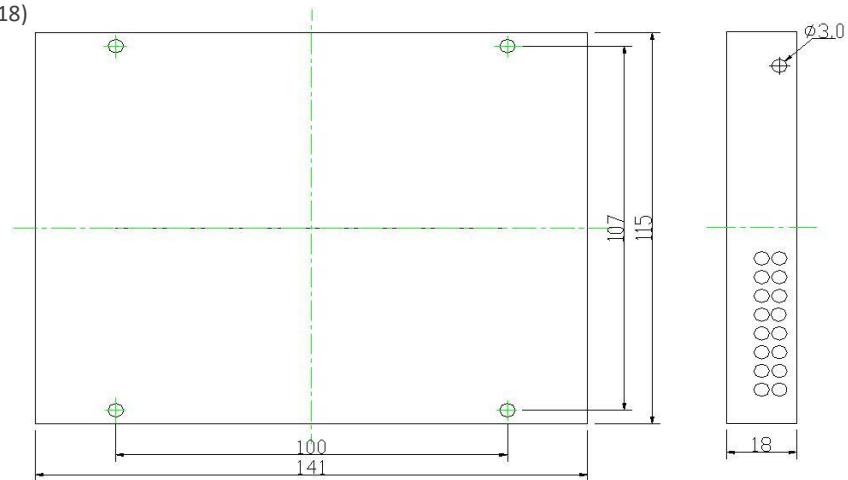
2) E(100 X80 X10)



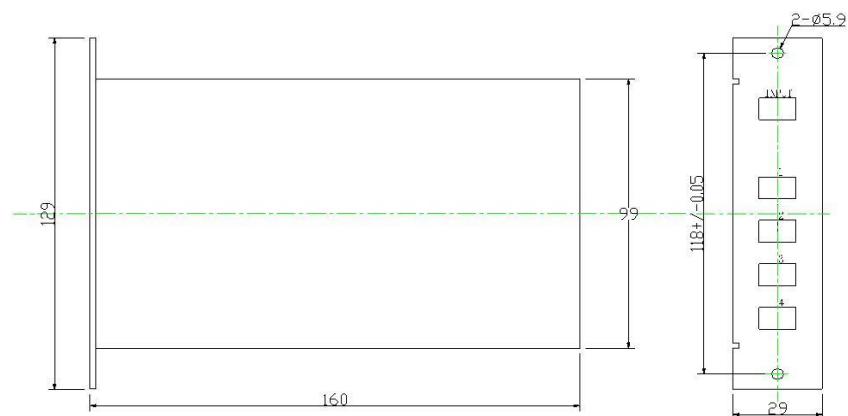
3) K (120 X80 X18)



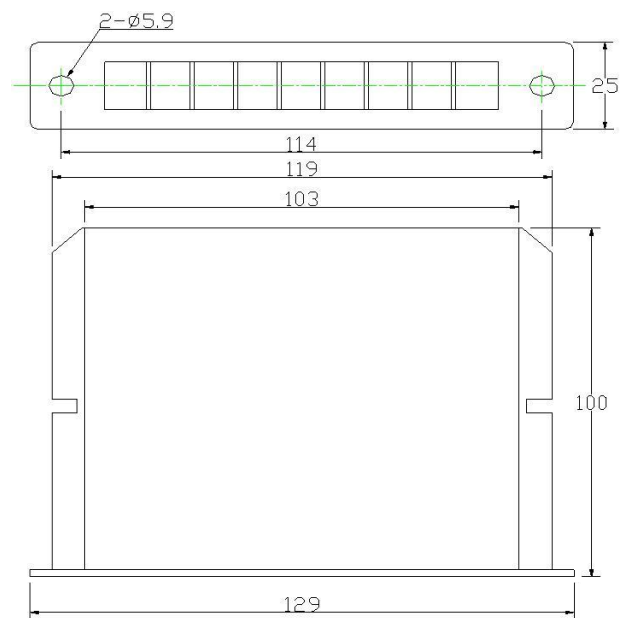
4) F (141 X115 X18)



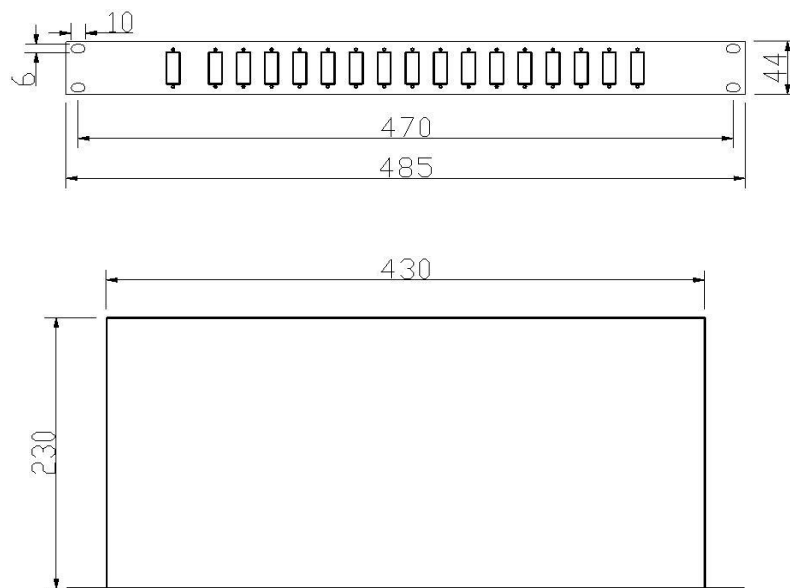
3. LGX Box:



4. Cassette PLC Splitter



5. 19" Rack Mount:



Ordering Information:

PLCS — [] — [] — [] — [] — [] — [] — []

Structure	Fiber Type	Package Type	Input type	Output type	Pigtail length	Connector type
Structure	0102=1×2, 0202=2×2, ..., 0164=1×64, 0264=2×64					
Fiber Type	1=G652D 2=G657A1 3=G657A2					
Package Type	A1, A2, ...F, K, U, G, C, T, R, X (pls see below package solution)					
Input Type	L=900μm loose tube, T=900μm tight tube, S=2.0mm, R=3.0mm ,B=250μm bare fiber, O=Adaptor					
Output Type	L=900μm loose tube, S=2.0mm, R=3.0mm ,B=250μm bare fiber, F=splitter, O=Adaptor					
Pigtail Length	0.5M=0.5 meters, 1M=1.0 meters, 2M=2.0 meters, 10M=10 meters... 1M/2M=input 1 meter/output 2.0 meter O=Adaptor, X=Other					
Connector Type	FU=FC/UPC, FA=FC/APC, SU=SC/UPC, SA=SC/APC ST=ST/UPC, LU=LC/UPC, LA=LC/APC, OO=no connector MPO=MPO/UPC, MPA=MPO/APC, X=others, FU/FA= input FC/UPC /output FC/APC.....					

Package Standard:

Items	1x2	2x2	1x3	1x4	2x4	1x6	1x8(127)	1x8(250)	2x8
Ribbon Fiber	A1		/	A1	A3	/	A1	A3	
Φ0.9 Steel Tube	A3				A5				
Φ0.9 Plastic Case	D		E						
Φ2.0 Plastic Case	D		E						
Φ3.0 Plastic Case	D		E						
19”Rack Mount	1U/2U/3U/4U								
LGX Box	1G/2G/3G/4G								
Items	1x12	1x16	2x16		1x24	1x32	2x32	1x64	2x64
Ribbon Fiber	A3		A5		A4		A7	A6	
Φ0.9 Steel Tube	A6		A8			A9	A10	A11	
Φ0.9 Plastic Case	K							F	
Φ2.0 Plastic Case	K							F	
Φ3.0 Plastic Case	K							/	
19”Rack Mount	1U/2U/3U/4U								
LGX Box	1G/2G/3G/4G								
Cassette	4CH/8CH,16CH/32CH/64CH								
Pallet	4CH/8CH,16CH/32CH/64CH								
Splice Tray	Customized								

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