



# PLC Splitter Module & Rack

## FEATURES

- Low Insertion Loss
- Low PDL
- Excellent Environmental & Mechanical Stability
- Qualified Under Telcordia GR-1221 and GR-1209

## APPLICATION

- FTTX (FTTP, FTTH, FTTN, FTTC)
- Passive Optical Networks (PON)
- Local Area Networks (LAN)
- Cable Television
- Test Equipments

## PERFORMANCE SPECIFICATIONS

Parameter	Specifications											
Operating Wavelength	1310±40 nm or 1550±40 or 1260 ~ 1650 nm											
Type	1x2	2x2	1x4	2x4	1x8	2x8	1x16	2x16	1x32	2x32	1x64	2x64
Insertion Loss* (Max)	4.0dB	4.3dB	7.3dB	7.6dB	10.8dB	11.2dB	13.8dB	14.5dB	17.2dB	18.2dB	20.5dB	21.0dB
Uniformity *	0.60dB	0.8dB	0.80dB	1.0dB	1.0dB	1.5dB	1.5dB	2.0dB	2.0dB	2.5dB	2.5dB	3.0dB
PDL**	0.20dB	0.20dB	0.20dB	0.30dB	0.20dB	0.30dB	0.30dB	0.40dB	0.30dB	0.40dB	0.30dB	0.40dB
Return Loss*	≥50dB											
Directivity *	≥55dB											
Optical Power	≤ 300mW											
Operating Temperature	-40 to +85°C											
Storage Temperature	-40 to +85°C											
Package Dimensions(LxWxH)	Type S: 89x51x9.2 Type F: 96x78x8 Type L1: LGX box single wide						Type F: 96x78x8 Type G: 96x78x13 Type H: 96x78x16 Type R1: 19" Rack single wide Type L1: 19" Rack single wide Type L2: LGX box single wide***		Type H: 96x78x16 Type R1: 19" Rack single wide Type L2: LGX box double wide***		Type G: 96x78x13 Type H: 96x78x16 Type R1: 19" Rack single wide Type L2: LGX box double wide***	
Package Dimensions(LxWxH) [Type A:(Ribbon and bare fiber)]	40x4x4	50x7x4	40x4x4	50x7x4	40x4x4	50x7x4	50x7x4	60x7x4	50x7x4	60x7x4	60x12x4	80x12x4
Package Dimensions(LxWxH) [Type A:(900um loose tube)]	50x7x4	50x7x4	50x7x4	60x7x4	60x7x4	60x12x4	60x12x4	80x12x4	80x20x6	80x20x6	100x40x6	100x40x6

Note: \*At room temperature and excludes connector loss.

\*\*PDL: Polarization dependent loss

\*\*\* For small form factor connectors only.

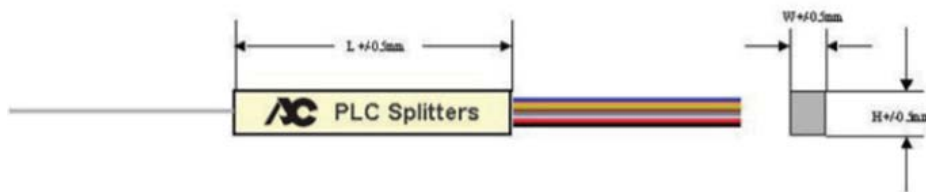
All values referenced are without connector. For devices with connectors, insertion loss will be 0.3 dB higher.

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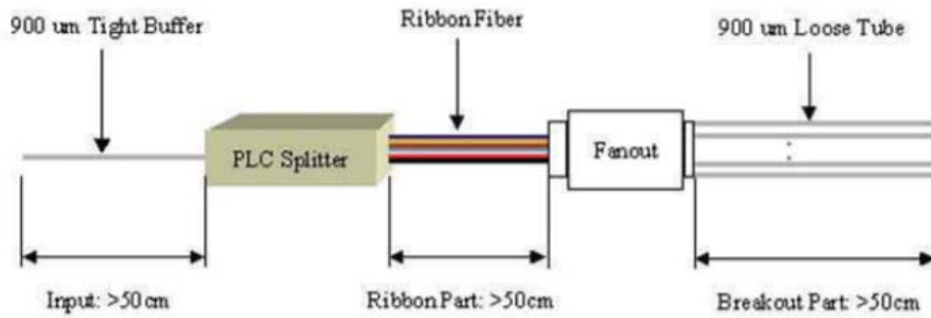
### MECHANICAL DIMENSIONS

A Package

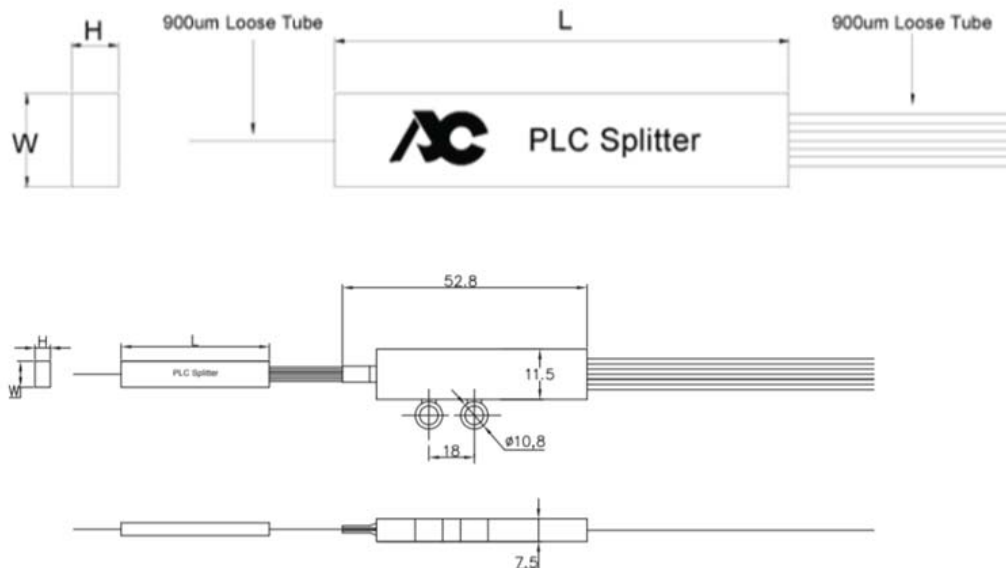
WITHOUT FANOUT AND CONNECTORS



WITH FANOUT AND NO CONNECTORS



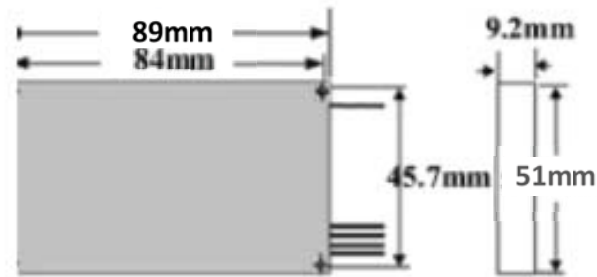
900UM LOOSE TUBE



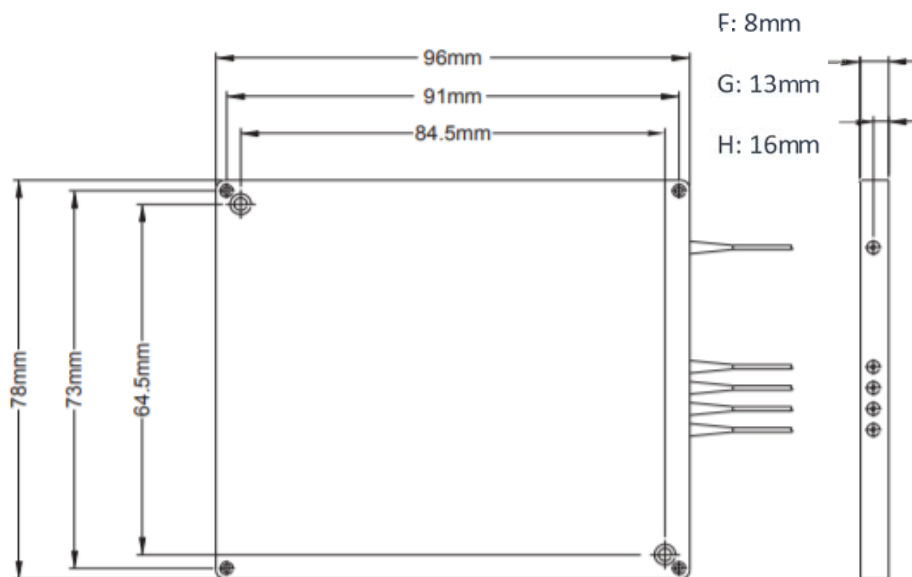
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### MECHANICAL DIMENSIONS

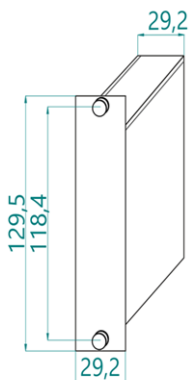
S Package



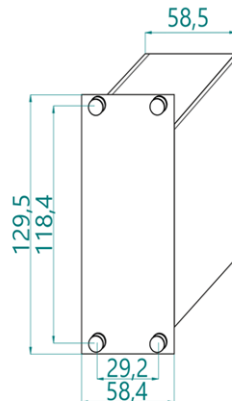
F/G/H Package



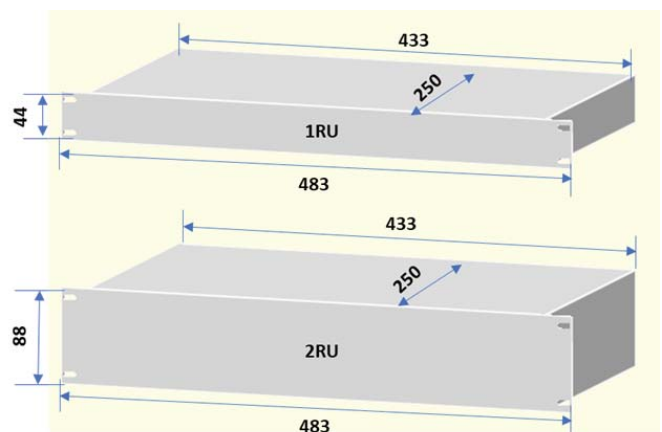
Single LGX Box



Double LGX Box

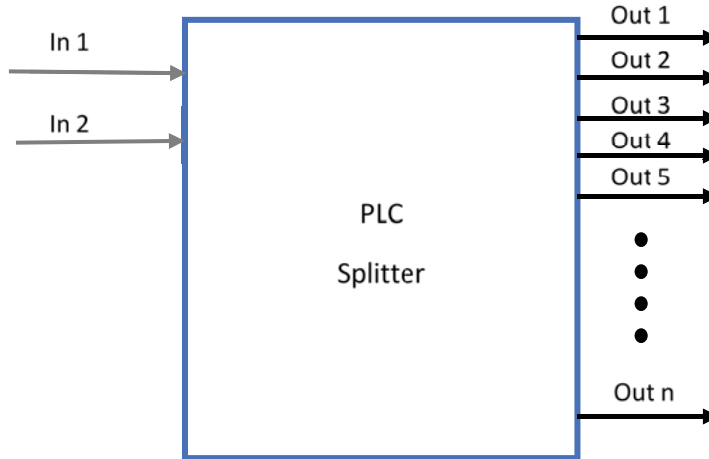


19" Rack



## PLC Splitter Module & Rack

### CHANNEL CONFIGURATIONS



### ORDERING INFORMATION

Type	Grade	Operating Wavelength	Port	Package	Fiber Type*	Pigtail Style	Fiber Length**	Connector	Option
PLC	P=P grade	31=1310nm 55=1550nm 3155=1310/1550 nm 2665=1260~1650nm	102=1x2	F=F package	2=SMF-28 Ultra (G.657.A1) 3=ClearCurve ZBL(G.657.B3)	None=L1/2&R1/2 Package 1=Bare fiber 2=900um loose tube 3=3mm jacket 4=2mm jacket 5=1.6mm jacket	05=0.5m 10=1.0m · · · 50=5.0m	0= None 1= FC/APC 2= FC/PC 3= SC/APC 4= SC/PC 5= ST 6= LC/UPC 7= LC/APC 8= MU/UPC 9= MU/APC A=8 fiber MPO (male) B=8 fiber MPO (female)	None=Ribbon fiber P0=Individual bare fiber P1=Fanout P2=900um loose tube
			202=2x2	G=G package					
			104=1x4	H=H package					
			204=2x4	R1= 19" rack single					
			108=1x8	R2= 19" rack double					
			208=2x8	L1=LGX box single					
			116=1x16	L2=LGX box double					
			216=2x16	A=A package					
			132=1x32						
			232=2x32						
			164=1x64						
			264=2x64						

\*1=SMF-28(G.652) is available upon request.

\*\*Other length is available upon request, However, 900um loose tube is only up to 2m.