



High Power PLC Splitter

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	4.5dB	7.2dB	7.8dB	10.8dB	11.2dB	14.0dB	14.5dB	16.9dB	17.5dB	21.0dB	22.2dB
Uniformity *	0.50dB	1.2dB	0.60dB	1.2dB	0.80dB	1.5dB	1.2dB	2.0dB	1.7dB	2.5dB	2.5dB	2.5dB
Polarization Dependent Loss*	0.20dB	0.30dB	0.20dB	0.30dB	0.30dB	0.40dB	0.30dB	0.40dB	0.30dB	0.40dB	0.30dB	0.40dB
Wavelength Dependent Loss	0.30dB	0.30dB	0.30dB	0.40dB	0.30dB	0.60dB	0.50dB	0.60dB	0.80dB	0.80dB	0.80dB	1.0dB
Temperature Dependent Loss (-40 ~ 85°C)	≤ 0.50dB											
Return Loss*	≥50dB											
Directivity *	≥55dB											
Optical Power	≤ 1.0W (Higher power upon request)											
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: 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	40x4x4	40x4x4	40x4x4	40x4x4	60x7x4	60x7x4	60x7x4	60x7x4	60x7x4	60x12x4	60x12x4
Package Dimensions(LxWxH) [Type A:(900um loose tube)]	60x7x4	60x7x4	60x7x4	60x7x4	60x7x4	60x7x4	60x12x4	60x12x4	80x20x6	80x20x6	100x40x6	100x40x6

Note: *At room temperature and excludes connector loss.

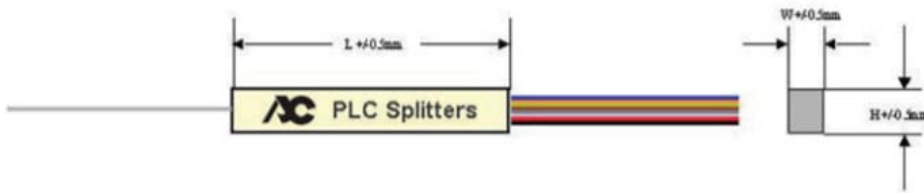
** For small form factor connectors only.

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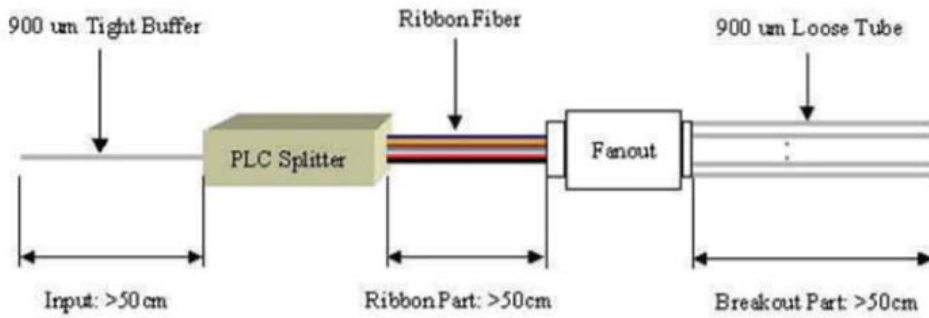
MECHANICAL DIMENSIONS

A Package

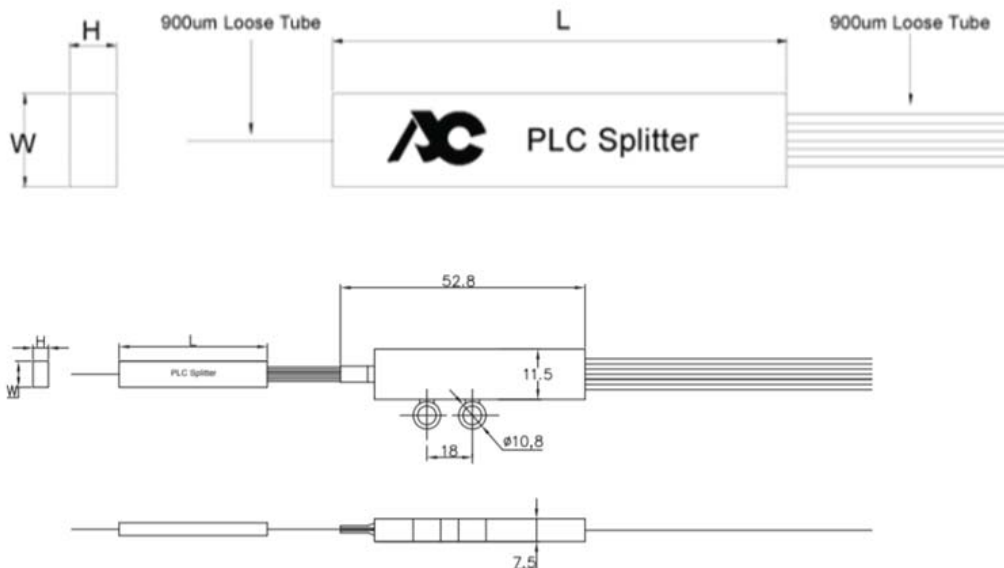
WITHOUT FANOUT AND CONNECTORS



WITH FANOUT AND NO CONNECTORS



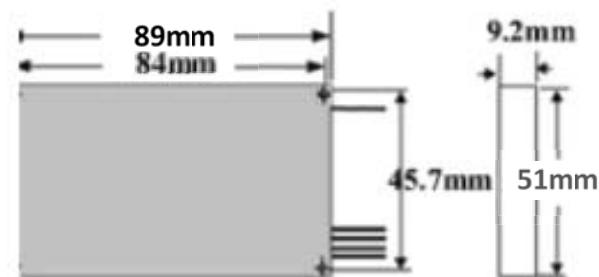
900UM LOOSE TUBE



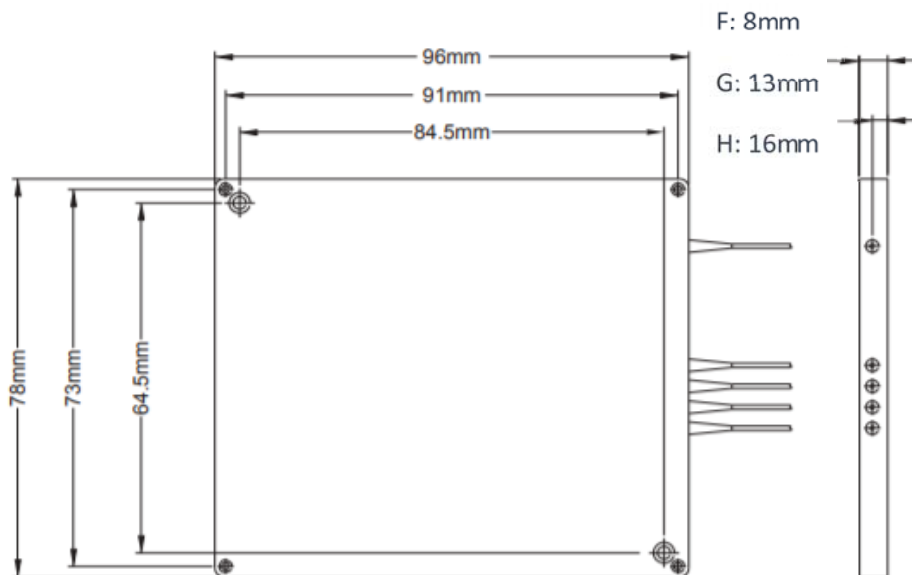
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MECHANICAL DIMENSIONS

S Package



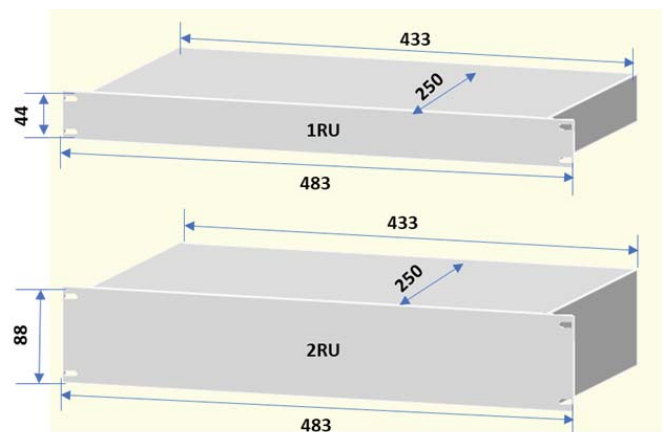
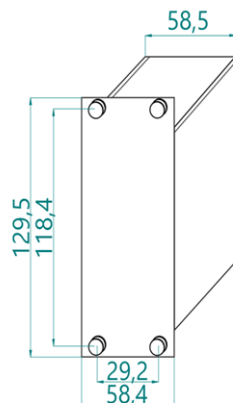
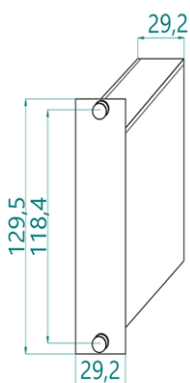
F/G/H Package



Single LGX Box

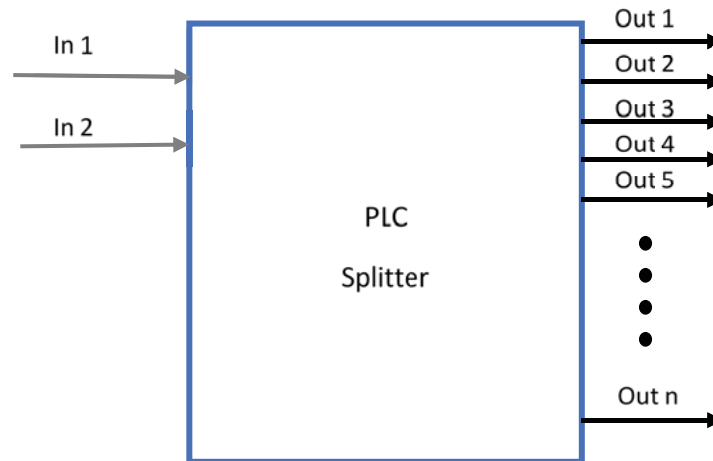
Double LGX Box

19" Rack



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CHANNEL CONFIGURATIONS



ORDERING INFORMATION

Type	Grade	Operating Wavelength	Port	Package	Fiber Type*	Pigtail Style	Fiber Length**	Connector	Option
H1PLC	P=P grade	31=1310nm	102=1x2	F=F package	2=SMF-28 Ultra (G.657.A1)	1=Bare fiber	05=0.5m	0=None	None=Ribbon fiber
·		55=1550nm	202=2x2	G=G package		2=900um	10=1.0m	1=FC/APC	P0=Individual bare fiber
·		3155=1310/1550 nm	104=1x4	H=H package	3=ClearCurve ZBL(G.657.B3)	loose tube	·	2=FC/PC	P1=Fanout
·		2665=1260~1650nm	204=2x4	R1=19" rack single		3=3mm jacket	·	3=SC/APC	P2=900um loose tube
			108=1x8	R2=19" rack double		4=2mm jacket	·	4=SC/PC	
			208=2x8	L1=LGX box single		5=1.6mm jacket	50=5.0m	5=ST	
			116=1x16	L2=LGX box double				6=LC/UPC	
			216=2x16	A=A package				7=LC/APC	
			132=1x32					8=8 fiber MPO (male)	
			232=2x32					9=8 fiber MPO (female)	
			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.