

## PLC Splitters



### Key Features

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

### Applications

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

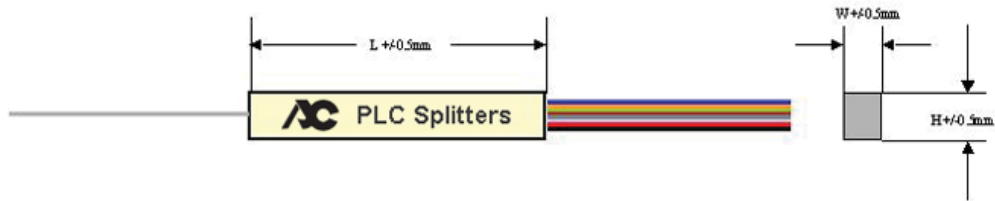
### Performance Specifications

Parameter	Specifications											
Operation Wavelength	1260nm to 1650nm											
Type	1x2	2x2	1x4	2x4	1x8	2x8	1x16	2x16	1x32	2x32	1x64	2x64
Insertion Loss (dB) (Max.)*	≤ 4.0	≤ 4.3	≤ 7.3	≤ 7.6	≤ 10.8	≤ 11.2	≤ 13.8	≤ 14.5	≤ 17.2	≤ 18.2	≤ 20.5	≤ 21.0
Uniformity (dB) ( Max.)*	≤ 0.6	≤ 0.8	≤ 0.8	≤ 1.0	≤ 1.0	≤ 1.5	≤ 1.5	≤ 2.0	≤ 2.0	≤ 2.5	≤ 2.5	≤ 3.0
PDL (dB) (Max.)	≤ 0.2	≤ 0.2	≤ 0.2	≤ 0.3	≤ 0.2	≤ 0.3	≤ 0.3	≤ 0.4	≤ 0.3	≤ 0.4	≤ 0.3	≤ 0.3
Dimensions (HxWxL) (mm) (Ribbon Fiber & Bare Fiber)	4x4x40	4x4x40	4x4x40	4x7x50	4x4x40	4x7x50	4x7x50	4x7x60	4x7x50	4x7x60	4x12x60	4x12x80
Dimensions (HxWxL) (mm) (900um Loose Tube)	4x4x40	4x7x50	4x7x60				4x12x60	4x12x80	6x20x80		6x40x100	N/A
Return Loss (dB) (Min.)*	50											
Directivity (dB) (Min.)*	55											
Optical Power (mW)	300											
Operating Temperature (°C)	-40 to + 85											
Storage Temperature (°C)	-40 to + 85											
Fiber Type	Corning singlemode SMF-28											
Connector Type	Custom specified											

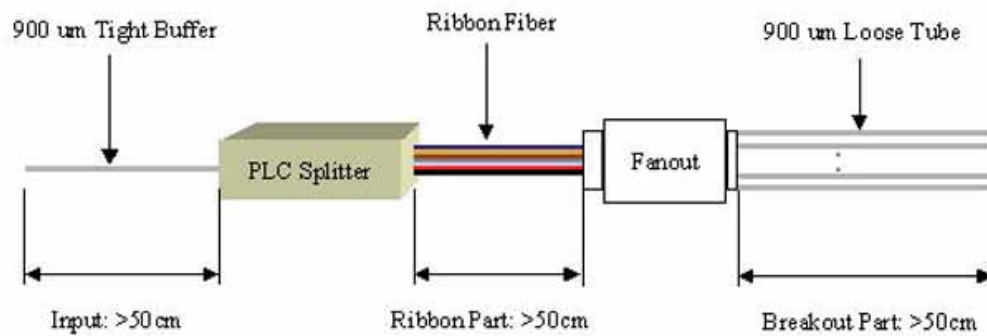
Note:

- \*1. Measured at room temperature and excludes connector loss.
2. For devices with connectors, insertion loss will be 0.3dB higher.

### Mechanical Dimensions (Without Fanout and Connectors)



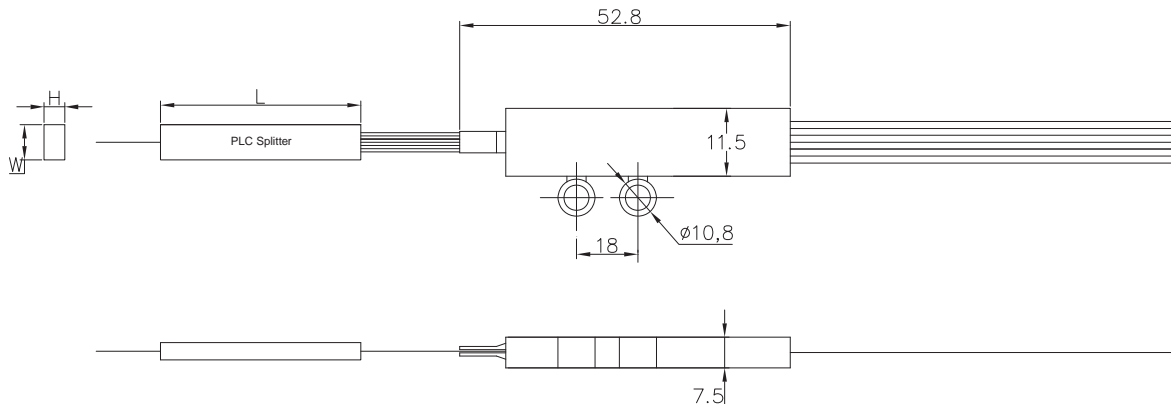
### Mechanical Dimensions (With Fanout, no Connectors)



### Mechanical Dimensions (900um Loose Tube)



### Mechanical Dimensions



### Ordering Information

PLC	Wavelength	Grade	Port	Pigtail Style	Fiber Length	Input Connector	Output Connector	Package Type
<div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> </div> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 5px;"></div> <div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px;"></div> </div> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 5px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 5px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 5px;"></div> <div style="border: 1px solid black; width: 20px; height: 20px; margin: 5px;"></div>	13 = 1310nm 15 = 1550nm 35 = 1310/1550nm	P = Grade P	0102 = 1x2 0104 = 1x4 0108 = 1x8 0116 = 1x16 0132 = 1x32 0164 = 1x64 0202 = 2x2 0204 = 2x4 0208 = 2x8 0216 = 2x16 0232 = 2x32 0264 = 2x64	1 = Bare Fiber 2 = 900um Loose Tube	1 = 1.0m 2 = 2.0m	0 = None 1 = FC/APC 2 = FC/PC 3 = SC/APC 4 = SC/PC 5 = ST 6 = LC/UPC 7 = LC/APC X=Special	0 = None 1 = FC/APC 2 = FC/PC 3 = SC/APC 4 = SC/PC 5 = ST 6 = LC/UPC 7 = LC/APC 8 = 8 Fiber MPO (male) 9 = 8 Fiber MPO (female) X = Special	Blank = Ribbon Fiber P0 = Individual Bare Fiber P1 = Fanout P2 = 900um Loose Tube