

## LP-F31A10080L

**LanPro PCL splitter capsule Module 1:8,  
without connectors,  
with Singlemode G657 Loose Fiber.**

LPF31A10080L\_SS\_ENB01W

**Features:**

- Low insertion loss.
- Various coupling ratio.
- High return loss and excellent uniformity.
- Low Polarization dependent loss.
- Environmental stable.
- SC APC Connector.
- Wide range of operating wavelength.

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LanPro PLC (Planar Lightwave Circuits) splitters are developed using silica glass waveguide circuits and aligned fiber pigtailed, integrated inside a miniature package. PLC splitters provide low-cost solution for optical signal distribution, with small form factor and superb reliability.

The PLCs devices have 1x4, 1x8, 1x16 and 1x32 standard configurations, as well as customized structures of 2x4, 2x32, and 2x64. These products meet or exceed Telcordia GR-1209-CORE and GR-1221-CORE reliability qualification requirement.

**A Application:**

- FTTx systems
- Optical LAN, Metro, WAN networks
- Passive optical networks
- CATV networks

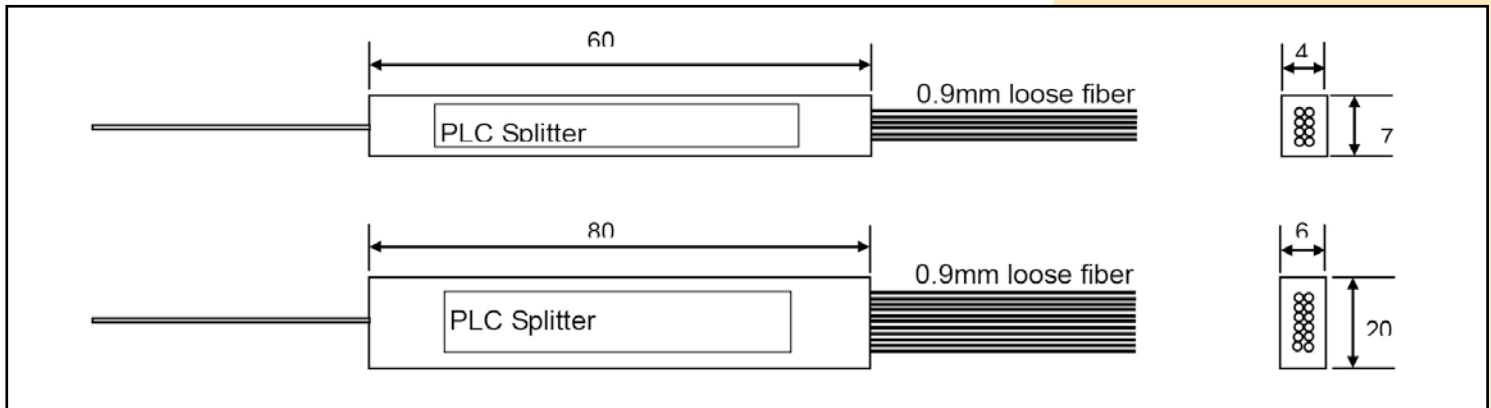
**B Specifications (without connector):**

Parameters	1×8
Operating wavelength (nm)	1260nm to 1650nm
Insertion Loss (dB) (S/P)	10.5/10.2
Uniformity (Max., dB)	0.8
Return Loss(dB) (S/P)	50/55
Polarization dependent loss (dB)	0.3
Directivity (dB)	55
Wavelength Dependent Loss (dB)	0.3
Temperature stability (-40~85°C)(dB)	0.5
Operating Temperature (°C)	-40~85
Storage temperature(°C)	-40~85

**ITU-T G.652.D. - Systems and transmission media, systems and digital networks. Characteristics of the transmission media. Optical fibre wires. Characteristics of a single mode fiber optic cable.**

**C Outside dimension:**

**PLC Capsule Module device Loose Fiber**



**D How to Order:**

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*LanPro is continuously improving its products and reserves the right to change specifications and availability without prior notice.*