**PLC FIBER OPTIC SPLITTER WITH FANOUT**

PLC fiber optic splitter or Planar Lightwave Circuit Splitter is one of ideal component for future network expansion by offering high stable performance and stability. It is a splitter suitable for multiple operating wavelengths(1260-1650nm) with equal splitting raito in small size compact configuration.

FANOUT PLC Fiber Optic Splitter is usually with fanout out kits to convert the ribbon fiber to 0.9mm fiber which can terminated with connectors and patch with adapters directly.

**Features**
--Single mode, multimode fiber splitter available

--Fanout kits applied, can patch with adapters when terminated with connectors

--Suitable for the place where have extra space for fanout part storage

--Connectors: FC, LC, ST, MU SC with PC , APC endface allows seamless integration into existing system

--Equal splitting ratio for all branches.

--Compliant with GR-1221 and GR1209 standard

--Good option for multiple operating wavelength

--1xN and 2xN splitters available

**Specification:**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Parameters | 1×2 | 1×4 | 1×8 | 1×16 | 1×32 | 1×64 | 1×128 |
| Fiber Type | G657A1 or customer specified |
| Insertion Loss (dB)（P/S Grade） |  3.8/4.0 |  7.1/7.3 | 10.2/10.5 | 13.5/13.7 | 16.5/16.9 | 20.5/21.0 | 23.8/24.2 |
| Loss Uniformity  (dB) | 0.4 | 0.6 | 0.8 | 1.2 | 1.5 | 2.0 | 2.5 |
| PDL(dB) | 0.2 | 0.2 | 0.2 | 0.25 | 0.3 | 0.35 | 0.4 |
| Return Loss (dB) （P/S Grade） | 55/50 | 55/50 | 55/50 | 55/50 | 55/50 | 55/50 | 55/50 |
| Directivity (dB) | 55 | 55 | 55 | 55 | 55 | 55 | 55 |
| Wavelength Dependent Loss (dB) | 0.3 | 0.3 | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 |
| Temperature Stability (-40～85 ℃)(dB) | 0.4 | 0.4 | 0.4 | 0.5 | 0.5 | 0.5 | 0.5 |
| Device Dimension (mm) | 40×4×4 | 40×4×4 | 40×4×4 | 50×4×4 | 50×7×4 | 60×12×4 | N/A |
| Module Dimension (mm) | 100×80×10 | 100×80×10 | 100×80×10 | 120×80×18 | 140×115×18 | 140×115×18 | 140×115×18 |
| Mini-Module Dimension (mm) | 50×7×4 | 50×7×4 | 50×7×4 | 60×12×4 | 80×20×6 | 100×40×6 | N/A |

**Structure**

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