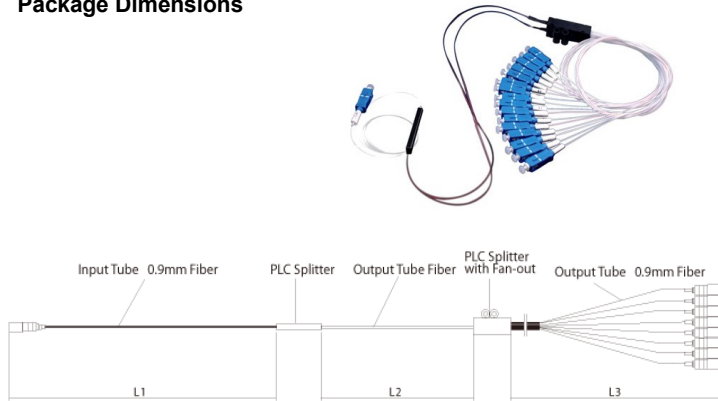


PLC Splitter with Fan-out

PLC splitter with fan-out is mainly used for 0.9mm optical fiber where the ribbon fiber can be converted to 0.9mm optical fiber through fan-out. Fiber adapters can be provided both for the input and output ends of this kind of splitters so that they can be used directly to meet the low demand on the size of the splitter, for instance all kinds of precision splitter insertion box and splitter wall-mounted cabinets.

Package Dimensions



Features

- Low Insertion Loss And Low PDL
- Uniform Power Splitting
- High Reliability And Stability
- Excellent Environmental Stability
- Compact Size And Various Package
- Wide Operating Wavelength: From 1260nm To 1650nm

Applications

- FTTX Systems
- PON, CATV
- LAN, WAN and Metro Networks
- Other Fiber Optic Systems

Table 1 – 1×N PLC Splitter

Parameters	1×2	1×4	1×8	1×16	1×32	1×64	Unit
Operating Wavelength	1620~1250						nm
Fiber Type	G657A or customer specified						—
Insertion Loss	3.8	7	10.2	13.5	16.5	20.5	dB
Loss Uniformity	0.4	0.6	0.8	1.2	1.5	2.5	dB
Return Loss	55	55	55	55	55	55	dB
PDL	0.2	0.2	0.3	0.3	0.3	0.4	dB
Directivity	55	55	55	55	55	55	dB
WDL	0.3	0.3	0.3	0.5	0.5	0.5	dB
Temperature Stability	0.5	0.5	0.5	0.5	0.5	0.5	dB
Operating Temperature	-20~75						℃
Storage Temperature	-40~85						℃
Packaging Dimension (L×W×H)	40×4×4	40×4×4	40×4×4	50×4×4	50×7×4	60×12×4	mm
Module Dimension (L×W×H)	100×80×10	100×80×10	100×80×10	120×80×18	140×115×18	140×115×18	mm
Mini-Module Dimension (L×W×H)	60×7×4	60×7×4	60×7×4	60×12×4	80×20×6	NA	mm

Table 2 – 2×N PLC Splitter

Parameters	2×2	2×4	2×8	2×16	2×32	Unit
Operating Wavelength	1620~1250					nm
Fiber Type	G657A or customer specified					—
Insertion Loss	4	7.6	11	14.5	17.5	dB
Loss Uniformity	0.8	1.5	1.5	2	2.5	dB
Return Loss	55	55	55	55	55	dB
PDL	0.2	0.2	0.3	0.4	0.4	dB
Directivity	55	55	55	55	55	dB
WDL	0.3	0.5	0.5	0.5	0.5	dB
Temperature Stability	0.5	0.5	0.5	0.5	0.5	dB
Operating Temperature	-20~75					℃
Storage Temperature	-40~85					℃
Packaging Dimension (L×W×H)	40×4×4	40×4×4	50×4×4	50×7×4	60×7×4	mm
Module Dimension (L×W×H)	100×80×10	100×80×10	100×80×10	120×80×18	140×115×18	mm
Mini-Module Dimension (L×W×H)	60×7×4	60×7×4	60×7×4	60×12×4	80×20×6	mm

Note

- *Packaging sized could be customer specified.
- *Above specifications are for device without connector.
- *For devices with connectors, IL will be 0.3dB higher and RL will be 5dB lower.

Ordering Information

PLCF —

