

# PON-PLC

## PLC Optical Splitter

### Features

1. Low IL and PDL.
2. High reliability.
3. High channel counts.
4. Wide wavelength range.
5. Large operating temperature range.
6. Excellent Environmental & Mechanical Stability.



### Application

1. FTT\* (FTTP, FTTH, FTTN, FTTC)
2. Local Area Networks (LAN)
3. Test Equipment
4. CATV
5. Analog/Digital Passive Optical Networks (PON)

### Datasheet

1×N PLC Specifications									
Port Configuration	ch	1*2	1*4	1*8	1*8L	1*16	1*32	1*64	1*128
Fiber Type	SMF-28e, G652, G655, G657 (or Customized)								
Operating Wavelength	nm	1260~1650							
IL	dB	≤4.1	≤7.4	≤10.5		≤13.5	≤16.8	≤20.4	≤23.7
UL	dB	≤0.5	≤0.6	≤0.8		≤1.0	≤1.3	≤1.8	≤2.1
PDL	dB	≤0.2	≤0.2	≤0.3		≤0.3	≤0.3	≤0.4	≤0.4
RL	dB	≥55							
DRL	dB	≥55							
Operating Temperature	°C	-40~+85							
Storage Temperature	°C	-40~+85							
Package Dimen		40*4*4	40*4*4	40*4*4	40*4*4	50*7*4	50*7*4	50*7*4	60*12*4
2×N Specifications									
Port Configuration	ch	2*2	2*4	2*8	2*16	2*16L	2*32	2*64	2*128
Fiber Type	SMF-28e, G652, G655, G657 (or Customized)								
Operating Wavelength (nm)	nm	1260~1650							
Insertion Loss	dB	≤4.2	≤7.8	≤11.2	≤14.8		≤17.9	≤21.5	≤23.8
Uniformity Loss	dB	≤1.0	≤1.4	≤1.5	≤2		≤2.5	≤3.0	≤3.0
PDL	dB	≤0.2	≤0.2	≤0.4	≤0.4		≤0.4	≤0.5	≤0.5
Return Loss	dB	≥55							
Directivity	dB	≥55							
Operating Temperature	°C	-40~+85							
Storage Temperature	°C	-40~+85							
Package Dimen			40*4*4	40*4*4	40*4*4	50*7*4	50*7*4	50*7*4	60*12*4

**Note:** The above IL is for the PLC splitters without connectors; for the PLC splitters with connectors, the above IL should add 0.3dB each.