

PLC splitter Module

The Optical Power Splitter, one of the main products of our company, is a component used in FTTH to separately transmit the signals that are sent from the telephone office or the cable stations through a single optical cable to multiple membership locations (apartments and houses), thereby constituting a key component of the optical membership network. The capacity of PPI to manufacture such products, ranging from the chip to the module in production scale quantities is recognized in Korea and abroad as being on the top rank worldwide.

Applications

CATV, FTTH, ROADM, LAN, WAN systems.
Signal, network monitoring, live line monitoring system.

Feature

Compact size (PLC) type low insertion loss, low PDL
Wide range uniformity stability

Specifications

Symmetric type : 1 xN Asymmetric type : 1 x3, 1 x6, 1 x12, 1 x24, etc.

Type	Wavelength Range (nm)	IL max (dB)	IL Uni (dB)	PDL (dB)	Dimensions (mm)		
					Width	Height	Length
1x2	1260 ~ 1650	≤3.8	≤0.6	≤0.2	4	4	40
1x2L					7	4	55
1x3		≤6.2	≤0.6	≤0.2	4	4	40
1x4		≤7.5	≤0.6	≤0.2	4	4	40
1x4L					7	4	55
1x6		≤9.3	≤0.8	≤0.2	4	4	40
1x8		≤10.5	≤0.8	≤0.2	4	4	40
1x8L					7	4	55
1x9		≤11.4	≤1.0	≤0.3	7	4	55
1x12		≤12.3	≤1.0	≤0.3	7	4	55
1x16		≤13.6	≤1.0	≤0.3	7	4	55
1x16L					12	4	60
1x24		≤16.0	≤1.3	≤0.3	7	4	55
1x32		≤17.0	≤1.3	≤0.3	7	4	55
1x64		≤20.4	≤2.0	≤0.3	12	4	60

ITEM	Unit	Specification
Directivity	dB	≥55
Return loss	dB	≥55
Fiber type	-	SMF-28e(or equivalent)
Storage temperature	°C	-40~+85
Operating temperature	°C	-40~+85

*All products available Customized Specifications.

Specifications Symmetric type : 2 xN

Type	Wavelength Range (nm)	IL max (dB)	IL Uni (dB)	PDL (dB)	Dimensions (mm)		
					Width	Height	Length
2x2	1260 ~ 1650	≤4.2	≤0.8	≤0.3	7	4	55
2x4		≤7.6	≤1.4	≤0.3	7	4	55
2x8		≤11.0	≤1.5	≤0.3	7	4	55
2x16		≤14.5	≤2.0	≤0.3	7	4	60
2x16L		≤14.5	≤2.0	≤0.3	12	4	60
2x32		≤17.5	≤2.5	≤0.3	7	4	60
2x64		≤21.0	≤3.0	≤0.4	12	4	65

ITEM	Unit	Specification
Directivity	dB	≥55
Return loss	dB	≥55
Fiber type	-	SMF-28e(or equivalent)
Storage temperature	°C	-40~+85
Operating temperature	°C	-40~+85

Ordering Information

1	X	XX	XX	X	XX	X
Input Channel	Input Fiber type	Input Fiber Length	Output channel	Output Fiber Length	Output Fiber Length	Connector Type
1: 1Channel 2: 2Channel	B: Bare Fiber T: 900 _{μm}	XX: Customized ex)12:1.2m	XX:Customized ex) 02~64ch	R: Ribbon Fiber L: 900 _{μm} Loose tube	XX: Customized ex)12:1.2m	0: None 1:SC/APC 2:SC/PC 3.FC/APC 4.FC/PC 5.Customized

Feature

Splitter Module(Ribbon type)



Splitter Module(Connector type)



Fan-out type



Blockless type

*All products available Customized Specifications.