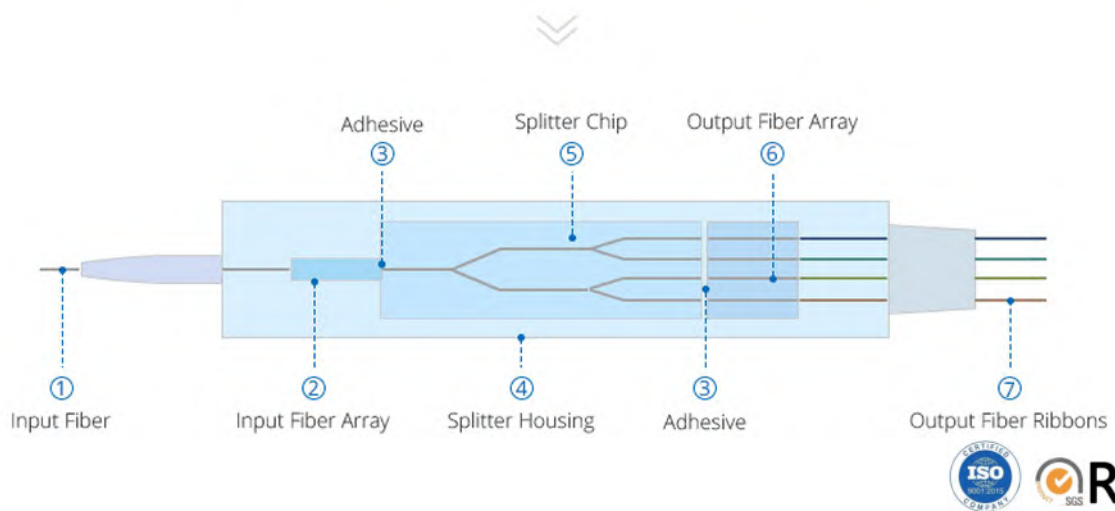


DATASHEET

Fiber PLC Splitter

Make Highly stable optical signal distribution transmission



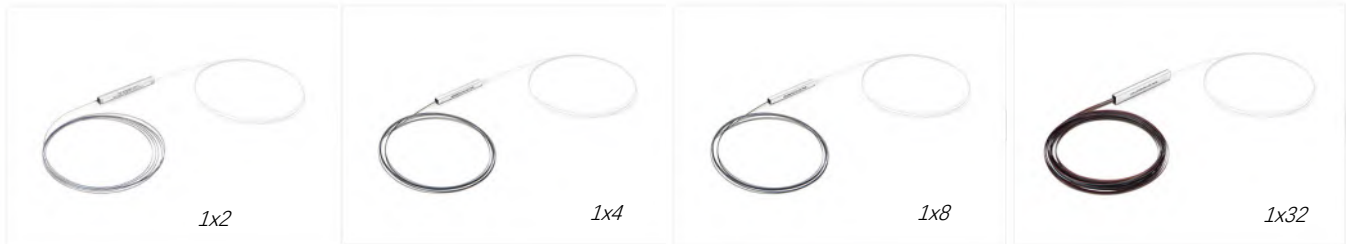
OMC INDUSTRY CO.LIMITED

2018|En version1.0

Description

Planar lightwave circuit (PLC) splitter is an optical power distribution device based on the integrated waveguide of quartz plate. With the features of small size, wide range of operating wavelength, stable reliability and good uniformity, It's widely used in PON,ODN,FTTX point to connect between termination device and central office to achieve the signal splitter.

OMC 's Bare fiber PLC Splitter family has 1x2, 1x4, 1x8, 1x16, 1x32, 1x64, 2x2, 2x4, 2x8, 2x16, 2x32, 2 x 64 PLC splitter, with specifications that are tailored for different applications and markets. Wide bandwidth, compact size. All products meets, ROHS, GR-1209-CORE-2001 and GR-1221-CORE-1999.



Specification

Parameter	Unit	Specification (P Grade)					
Operation Wavelength	nm	1260 ~ 1650					
Channel Number		1X2	1X4	1X8	1X16	1X32	1X64
Insertion Loss with Connector (Max)	dB	4.1	7.4	10.5	13.8	17.1	20.4
Insertion Loss without Connector (Max)	dB	3.8	7.1	10.2	13.5	16.8	20.1
Uniformity (Max.)	dB	0.6	0.7	0.8	1.0	1.5	2.0
Polarization Dependent Loss	dB	0.2	0.2	0.2	0.3	0.3	0.3
Return Loss	dB	≥ 50					
Directivity	dB	≥ 55					

Parameter	Unit	Specification (P Grade)					
Operation Wavelength	nm	1260 ~ 1650					
Channel Number		2X2	2X4	2X8	2X16	2X32	2X64
Insertion Loss with Connector (Max)	dB	4.4	7.7	10.8	14.1	17.4	20.6
Insertion Loss without Connector (Max)	dB	4.1/4.3	7.4	10.5	13.8	17.1	20.3
Uniformity (Max.)	dB	0.6	0.7	0.8	1.0	1.5	2.0
Polarization Dependent Loss	dB	0.2	0.2	0.2	0.3	0.3	0.5
Return Loss	dB	≥ 50					
Directivity	dB	≥ 55					

Environmental Conditions:

Operating Temperature	°C	-40 ~ +85
Storage Temperature	°C	-40 ~ +85
Operating Humidity	%RH	≤ 93
Storage Humidity	%RH	≤ 93

Cable Infor

Fiber type	G657A1
Pigtail cable	Bare fiber only
Connector	/
2xN Splitter	Only Single Chip



Fiber PLC Splitter-Bare Fiber type

Dimension (mm)

Splitter	1X2	1X4	1X8	1X16	1X32	1X64
Cassette size	40×4×4	40×4×4	40×4×4	45×4.5×4	50×7×4	60×12×4
Splitter	2X2	2X4	2X8	2X16	2X32	2X64
Cassette size	40×4×4	45×4.5×4	45×4×4	60×7×4	65×7×4	60×12×4

Application

The bare PLC splitter can allow a single GPON network interface to be shared among many subscribers and allow service providers to enable bandwidth-intensive applications. The following figure shows 1X8 bare PLC fiber splitter interconnected with GPON OLT and ONT through fiber optic splice closure.



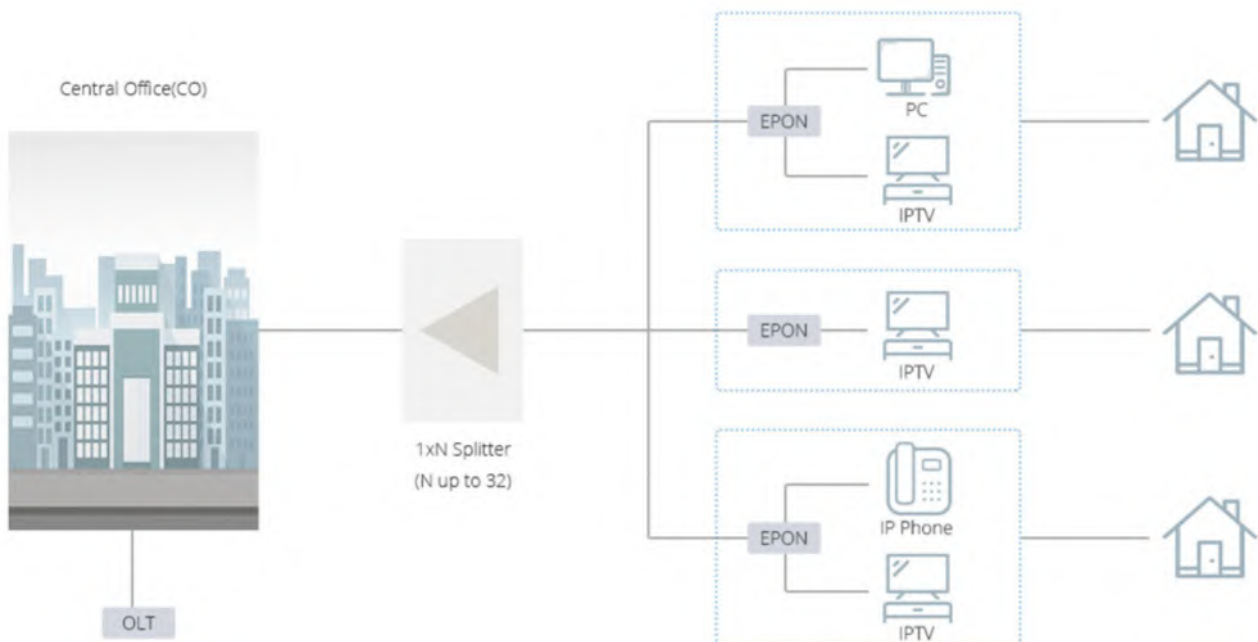
Simple and Easy Connection

Bare PLC splitter can be easily installed in fiber splice closure or joint box for space saving.



Best Alternative for FTTx Solution

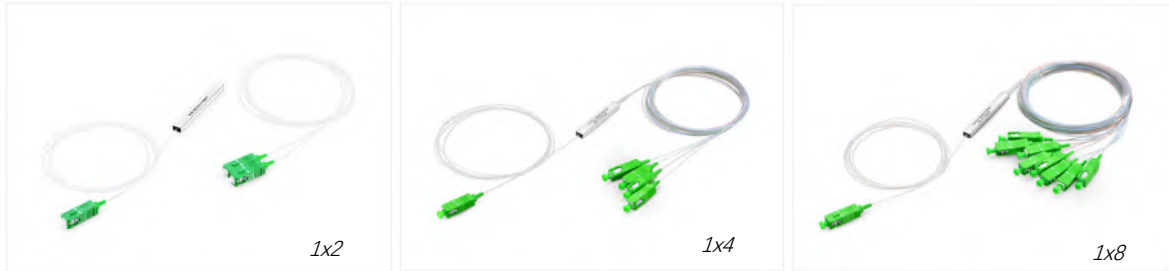
Being installed in an outside plant enclosure, PON splitter is used to distribute or combine optical signals, which gives carriers the ability to split optical signals to multiple homes or businesses.



Description

Planar lightwave circuit (PLC) splitter is an optical power distribution device based on the integrated waveguide of quartz plate. With the features of small size, wide range of operating wavelength, stable reliability and good uniformity, It's widely used in PON,ODN,FTTX point to connect between termination device and central office to achieve the signal splitter.

OMC 's **Blockless PLC Splitter** family has 1x2, 1x4, 1x8, 1x16, 1x32, 1x64, 2x2, 2x4, 2x8, 2x16, 2x32, 2 x 64 PLC splitter, with specifications that are tailored for different applications and markets. Wide bandwidth, compact size. All products meets, ROHS, GR-1209-CORE-2001 and GR-1221-CORE-1999.



Specification

Parameter	Unit	Specification (P Grade)					
Operation Wavelength	nm	1260 ~ 1650					
Channel Number		1X2	1X4	1X8	1X16	1X32	1X64
Insertion Loss with Connector (Max)	dB	4.1/4.4	7.4/7.9	10.5/11.0	13.8/14.1	17.1/17.4	20.4/21.0
Insertion Loss without Connector (Max)	dB	3.8/4.1	7.1/7.6	10.2/10.7	13.5/13.8	16.8/17.1	20.1/20.7
Uniformity (Max.)	dB	0.6	0.7	0.8	1.0	1.5	2.0
Polarization Dependent Loss	dB	0.2	0.2	0.2	0.3	0.3	0.3
Return Loss	dB	≥45 (PC) ; 50 (UPC) ; 60 (APC)					
Directivity	dB	≥55					

Parameter	Unit	Specification (P Grade)					
Operation Wavelength	nm	1260 ~ 1650					
Channel Number		2X2	2X4	2X8	2X16	2X32	2X64
Insertion Loss with Connector (Max)	dB	4.4/4.6	7.7/8.1	10.8/11.3	14.1/14.4	17.4/17.7	20.6/21.3
Insertion Loss without Connector (Max)	dB	4.1/4.3	7.4/7.8	10.5/11	13.8/14.1	17.1/17.4	20.3/21.0
Uniformity (Max.)	dB	0.6	0.7	0.8	1.0	1.5	2.0
Polarization Dependent Loss	dB	0.2	0.2	0.2	0.3	0.3	0.5
Return Loss	dB	≥45 (PC) ; 50 (UPC) ; 60 (APC)					
Directivity	dB	≥55					

Environmental Conditions:

Operating Temperature	°C	-40 ~ +85
Storage Temperature	°C	-40 ~ +85
Operating Humidity	%RH	≤93
Storage Humidity	%RH	≤93

Cable Infor

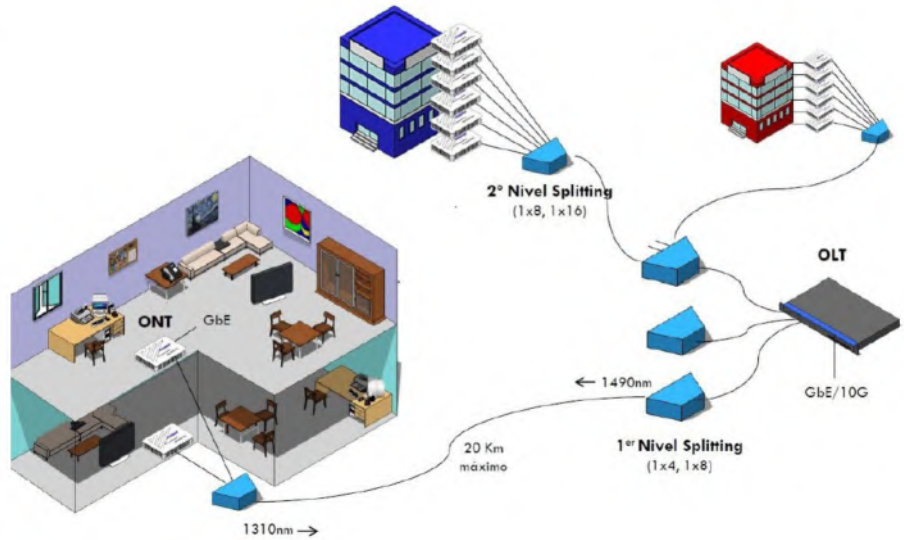
Fiber type	G657A1
Pigtail cable	900um
Connector	SC, LC,FC,ST,.....
2xN Splitter	Only Single Chip

Dimension (mm)

Splitter	1X2	1X4	1X8	1X16	1X32	1X64
Cassette size	60×7×4	60×7×4	60×7×4	60×12×4	80×20×6	100×40×6
Splitter	2X2	2X4	2X8	2X16	2X32	2X64
Cassette size	60×7×4	60×7×4	60×7×4	60×12×4	80×20×6	100×40×6

Application

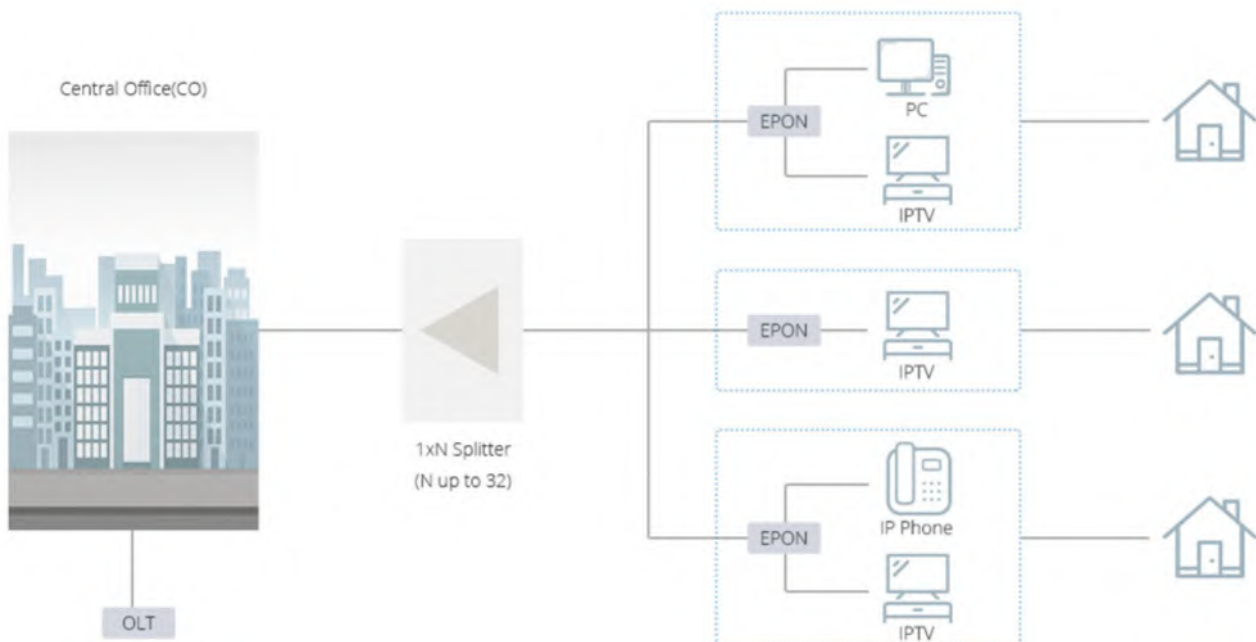
The bare PLC splitter can allow a single GPON network interface to be shared among many subscribers and allow service providers to enable bandwidth-intensive applications. The following figure shows 1X8 bare PLC fiber splitter interconnected with GPON OLT and ONT through fiber optic splice closure.



Being installed in an outside plant enclosure, PON splitter is used to distribute or combine optical signals, which gives carriers the ability to split optical signals to multiple homes or businesses.

Best Alternative for FTTx Solution

Being installed in an outside plant enclosure, PON splitter is used to distribute or combine optical signals, which gives carriers the ability to split optical signals to multiple homes or businesses.



Description

Planar lightwave circuit (PLC) splitter is an optical power distribution device based on the integrated waveguide of quartz plate. With the features of small size, wide range of operating wavelength, stable reliability and good uniformity, It's widely used in PON,ODN,FTTX point to connect between termination device and central office to achieve the signal splitter.

OMC 's **ABS Cassette PLC Splitter** family has 1x2, 1x4, 1x8, 1x16, 1x32, 1x64, 2x2, 2x4, 2x8, 2x16, 2x32, 2 x 64 PLC splitter, with specifications that are tailored for different applications and markets. Wide bandwidth, compact size. All products meets, ROHS, GR-1209-CORE-2001 and GR-1221-CORE-1999.



Specification

Parameter	Unit	Specification (P Grade)					
		1260 ~ 1650					
Operation Wavelength	nm	1260 ~ 1650					
Channel Number		1X2	1X4	1X8	1X16	1X32	1X64
Insertion Loss with Connector (Max)	dB	4.1/4.4	7.4/7.9	10.5/11.0	13.8/14.1	17.1/17.4	20.4/21.0
Insertion Loss without Connector (Max)	dB	3.8/4.1	7.1/7.6	10.2/10.7	13.5/13.8	16.8/17.1	20.1/20.7
Uniformity (Max.)	dB	0.6	0.7	0.8	1.0	1.5	2.0
Polarization Dependent Loss	dB	0.2	0.2	0.2	0.3	0.3	0.3
Return Loss	dB	≥45 (PC) ; 50 (UPC) ; 60 (APC)					
Directivity	dB	≥55					

Parameter	Unit	Specification (P Grade)					
		1260 ~ 1650					
Operation Wavelength	nm	1260 ~ 1650					
Channel Number		2X2	2X4	2X8	2X16	2X32	2X64
Insertion Loss with Connector (Max)	dB	4.4/4.6	7.7/8.1	10.8/11.3	14.1/14.4	17.4/17.7	20.6/21.3
Insertion Loss without Connector (Max)	dB	4.1/4.3	7.4/7.8	10.5/11	13.8/14.1	17.1/17.4	20.3/21.0
Uniformity (Max.)	dB	0.6	0.7	0.8	1.0	1.5	2.0
Polarization Dependent Loss	dB	0.2	0.2	0.2	0.3	0.3	0.5
Return Loss	dB	≥45 (PC) ; 50 (UPC) ; 60 (APC)					
Directivity	dB	≥55					

Environmental Conditions:

Operating Temperature	°C	-40 ~ +85
Storage Temperature	°C	-40 ~ +85
Operating Humidity	%RH	≤93
Storage Humidity	%RH	≤93

Cable Infor:

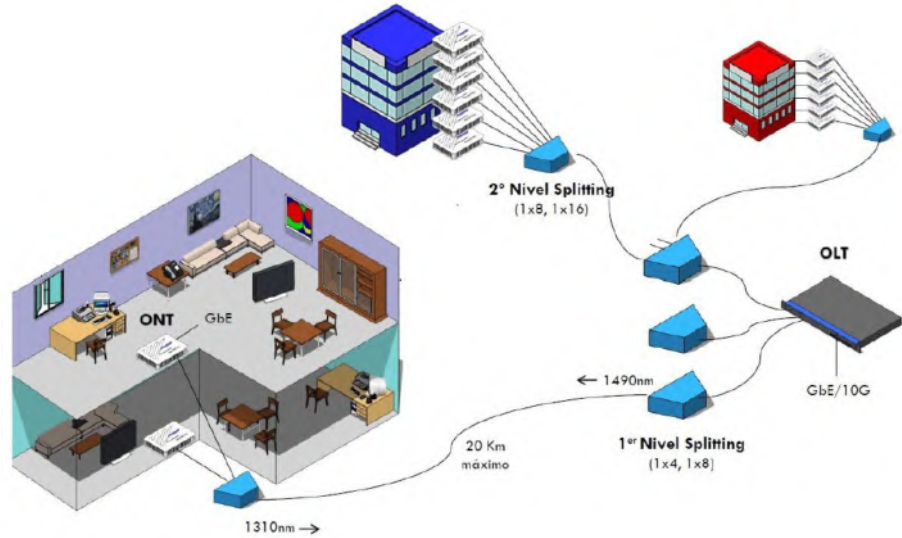
Fiber type	G657A1
Pigtail cable	900um /1.6mm/1.8mm/2.0mm
Connector	SC, LC,FC,ST,.....
2xN Splitter	Only Single Chip

Dimension (mm)

Splitter	1X2	1X4	1X8	1X16	1X32	1X64
Cassette size	100×80×10	100×80×10	100×80×10	120×80×18	120×80×18	140×114×18
Splitter	2X2	2X4	2X8	2X16	2X32	2X64
Cassette size	100×80×10	100×80×10	100×80×10	120×80×18	120×80×18	140×114×18

Application

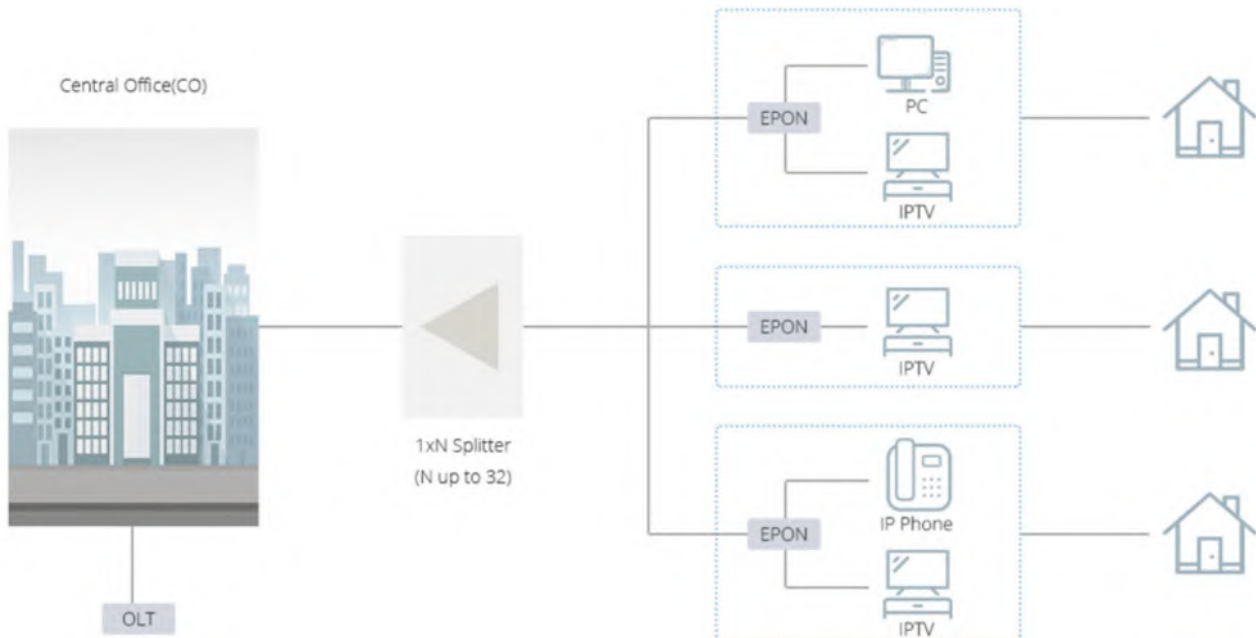
The bare PLC splitter can allow a single GPON network interface to be shared among many subscribers and allow service providers to enable bandwidth-intensive applications. The following figure shows 1X8 bare PLC fiber splitter interconnected with GPON OLT and ONT through fiber optic splice closure.



Being installed in an outside plant enclosure, PON splitter is used to distribute or combine optical signals, which gives carriers the ability to split optical signals to multiple homes or businesses.

Best Alternative for FTTH Solution

Being installed in an outside plant enclosure, PON splitter is used to distribute or combine optical signals, which gives carriers the ability to split optical signals to multiple homes or businesses.





Fiber PLC Splitter-Rack mount integrated design

Description

Planar lightwave circuit (PLC) splitter is an optical power distribution device based on the integrated waveguide of quartz plate. With the features of small size, wide range of operating wavelength, stable reliability and good uniformity, It's widely used in PON,ODN,FTTH point to connect between termination device and central office to achieve the signal splitter.

OMC 's **Rack mount integrated design PLC Splitter** family has 1x2, 1x4, 1x8, 1x16, 2x2, 2x4, 2x8, 2x16 PLC splitter, with specifications that are tailored for different applications and markets. Wide bandwidth, compact size. All products meets, ROHS, GR-1209-CORE-2001 and GR-1221-CORE-1999.



Specification

Parameter	Unit	Specification (P Grade)					
		1260 ~ 1650					
Operation Wavelength	nm	1260 ~ 1650					
Channel Number		1X2	1X4	1X8	1X16	1X32	1X64
Insertion Loss with Connector (Max)	dB	4.1/4.4	7.4/7.9	10.5/11.0	13.8/14.1	17.1/17.4	20.4/21.0
Insertion Loss without Connector (Max)	dB	3.8/4.1	7.1/7.6	10.2/10.7	13.5/13.8	16.8/17.1	20.1/20.7
Uniformity (Max.)	dB	0.6	0.7	0.8	1.0	1.5	2.0
Polarization Dependent Loss	dB	0.2	0.2	0.2	0.3	0.3	0.3
Return Loss	dB	≥45 (PC) ; 50 (UPC) ; 60 (APC)					
Directivity	dB	≥55					

Parameter	Unit	Specification (P Grade)					
		1260 ~ 1650					
Operation Wavelength	nm	1260 ~ 1650					
Channel Number		2X2	2X4	2X8	2X16	2X32	2X64
Insertion Loss with Connector (Max)	dB	4.4/4.6	7.7/8.1	10.8/11.3	14.1/14.4	17.4/17.7	20.6/21.3
Insertion Loss without Connector (Max)	dB	4.1/4.3	7.4/7.8	10.5/11	13.8/14.1	17.1/17.4	20.3/21.0
Uniformity (Max.)	dB	0.6	0.7	0.8	1.0	1.5	2.0
Polarization Dependent Loss	dB	0.2	0.2	0.2	0.3	0.3	0.5
Return Loss	dB	≥45 (PC) ; 50 (UPC) ; 60 (APC)					
Directivity	dB	≥55					

Environmental Conditions:

Operating Temperature	°C	-40 ~ +85
Storage Temperature	°C	-40 ~ +85
Operating Humidity	%RH	≤93
Storage Humidity	%RH	≤93

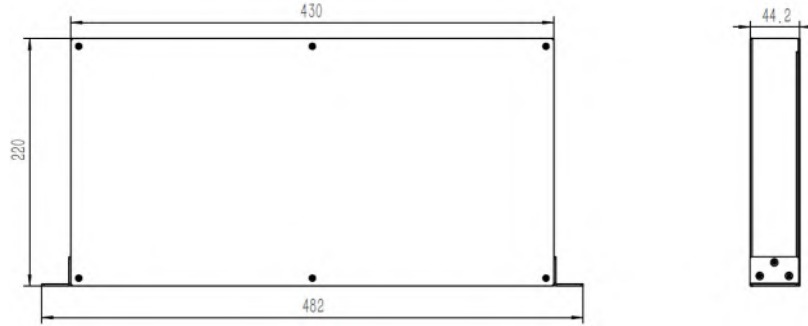
Cable Infor:

Fiber type	G657A1
Pigtail cable	900um /1.6mm/1.8mm/2.0mm
Connector	SC, LC,FC,ST,.....
2xN Splitter	Only Single Chip



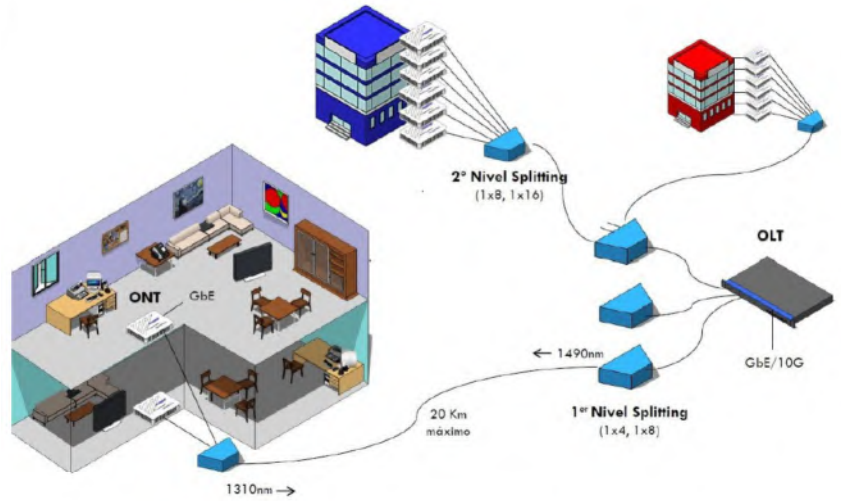
Fiber PLC Splitter-Rack mount integrated design

Dimension (mm)



Application

The bare PLC splitter can allow a single GPON network interface to be shared among many subscribers and allow service providers to enable bandwidth-intensive applications. The following figure shows 1X8 bare PLC fiber splitter interconnected with GPON OLT and ONT through fiber optic splice closure.

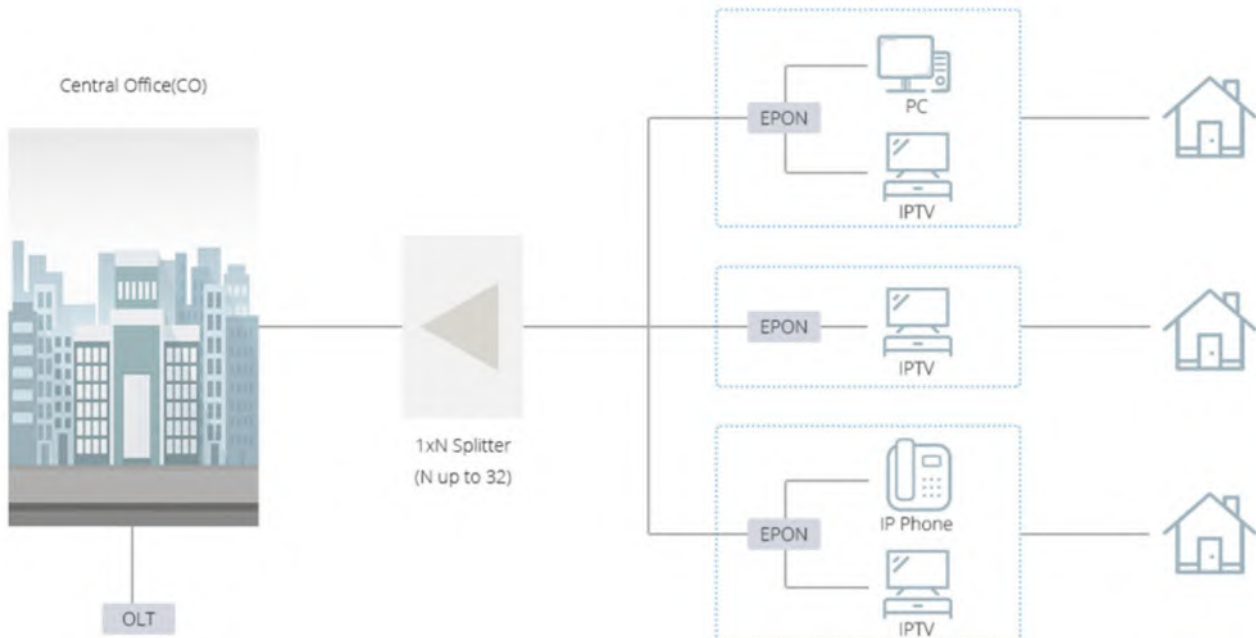


Loaded with Splice/pigtailed ABS Module Easily mounted in the 42U network Cabinet

Being installed in an outside plant enclosure, PON splitter is used to distribute or combine optical signals, which gives carriers the ability to split optical signals to multiple homes or businesses.

Best Alternative for FTTx Solution

Being installed in an outside plant enclosure, PON splitter is used to distribute or combine optical signals, which gives carriers the ability to split optical signals to multiple homes or businesses.



Description

Planar lightwave circuit (PLC) splitter is an optical power distribution device based on the integrated waveguide of quartz plate. With the features of small size, wide range of operating wavelength, stable reliability and good uniformity, It's widely used in PON,ODN,FTTX point to connect between termination device and central office to achieve the signal splitter.

OMC 's **Rack mount Modular design PLC Splitter** family has 1x2, 1x4, 1x8, 1x16, 2x2, 2x4, 2x8, 2x16, PLC splitter, with specifications that are tailored for different applications and markets. Wide bandwidth, compact size. All products meets, ROHS, GR-1209-CORE-2001 and GR-1221-CORE-1999.

Blockless type PLC splitter



Specification

Parameter	Unit	Specification (P Grade)					
		1260 ~ 1650					
Operation Wavelength	nm	1260 ~ 1650					
Channel Number		1X2	1X4	1X8	1X16	1X32	1X64
Insertion Loss with Connector (Max)	dB	4.1/4.4	7.4/7.9	10.5/11.0	13.8/14.1	17.1/17.4	20.4/21.0
Insertion Loss without Connector (Max)	dB	3.8/4.1	7.1/7.6	10.2/10.7	13.5/13.8	16.8/17.1	20.1/20.7
Uniformity (Max.)	dB	0.6	0.7	0.8	1.0	1.5	2.0
Polarization Dependent Loss	dB	0.2	0.2	0.2	0.3	0.3	0.3
Return Loss	dB	≥45 (PC) ; 50 (UPC) ; 60 (APC)					
Directivity	dB	≥55					

Parameter	Unit	Specification (P Grade)					
		1260 ~ 1650					
Operation Wavelength	nm	1260 ~ 1650					
Channel Number		2X2	2X4	2X8	2X16	2X32	2X64
Insertion Loss with Connector (Max)	dB	4.4/4.6	7.7/8.1	10.8/11.3	14.1/14.4	17.4/17.7	20.6/21.3
Insertion Loss without Connector (Max)	dB	4.1/4.3	7.4/7.8	10.5/11	13.8/14.1	17.1/17.4	20.3/21.0
Uniformity (Max.)	dB	0.6	0.7	0.8	1.0	1.5	2.0
Polarization Dependent Loss	dB	0.2	0.2	0.2	0.3	0.3	0.5
Return Loss	dB	≥45 (PC) ; 50 (UPC) ; 60 (APC)					
Directivity	dB	≥55					

Environmental Conditions:

Operating Temperature	°C	-40 ~ +85
Storage Temperature	°C	-40 ~ +85
Operating Humidity	%RH	≤93
Storage Humidity	%RH	≤93

Cable Infor:

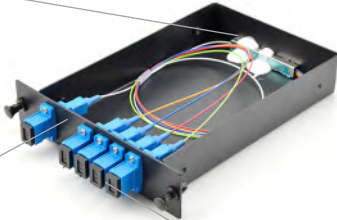
Fiber type	G657A1
Pigtail cable	900um
Connector	SC, LC,FC,ST,.....
2xN Splitter	Only Single Chip

Description

Planar lightwave circuit (PLC) splitter is an optical power distribution device based on the integrated waveguide of quartz plate. With the features of small size, wide range of operating wavelength, stable reliability and good uniformity, It's widely used in PON,ODN,FTTX point to connect between termination device and central office to achieve the signal splitter.

OMC 's **LGX Cassette PLC Splitter** family has 1x2, 1x4, 1x8, 1x16, 2x2, 2x4, 2x8, 2x16, PLC splitter, with specifications that are tailored for different applications and markets. Wide bandwidth, compact size. All products meets, ROHS, GR-1209-CORE-2001 and GR-1221-CORE-1999.

Blockless type PLC splitter



LGX Cassette Size, Other size is available too

SC,LC,FC,ST,E2000 Adapter are available

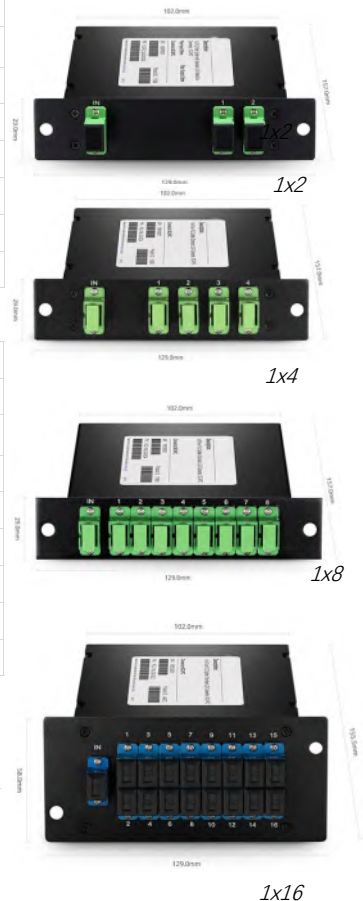


3 slots 1RU rack mount chassis accommodate 3 standard LGX Cassette

Specification

Parameter	Unit	Specification (P Grade)			
Operation Wavelength	nm	1260 ~ 1650			
Channel Number		1X2	1X4	1X8	1X16
Insertion Loss with Connector (Max)	dB	4.1/4.4	7.4/7.9	10.5/11.0	13.8/14.1
Insertion Loss without Connector (Max)	dB	3.8/4.1	7.1/7.6	10.2/10.7	13.5/13.8
Uniformity (Max.)	dB	0.6	0.7	0.8	1.0
Polarization Dependent Loss	dB	0.2	0.2	0.2	0.3
Return Loss	dB	≥45 (PC) ; 50 (UPC) ; 60 (APC)			
Directivity	dB	≥55			

Parameter	Unit	Specification (P Grade)			
Operation Wavelength	nm	1260 ~ 1650			
Channel Number		2X2	2X4	2X8	2X16
Insertion Loss with Connector (Max)	dB	4.4/4.6	7.7/8.1	10.8/11.3	14.1/14.4
Insertion Loss without Connector (Max)	dB	4.1/4.3	7.4/7.8	10.5/11	13.8/14.1
Uniformity (Max.)	dB	0.6	0.7	0.8	1.0
Polarization Dependent Loss	dB	0.2	0.2	0.2	0.3
Return Loss	dB	≥45 (PC) ; 50 (UPC) ; 60 (APC)			
Directivity	dB	≥55			



Environmental Conditions:

Operating Temperature	°C	-40 ~ +85
Storage Temperature	°C	-40 ~ +85
Operating Humidity	%RH	≤93
Storage Humidity	%RH	≤93

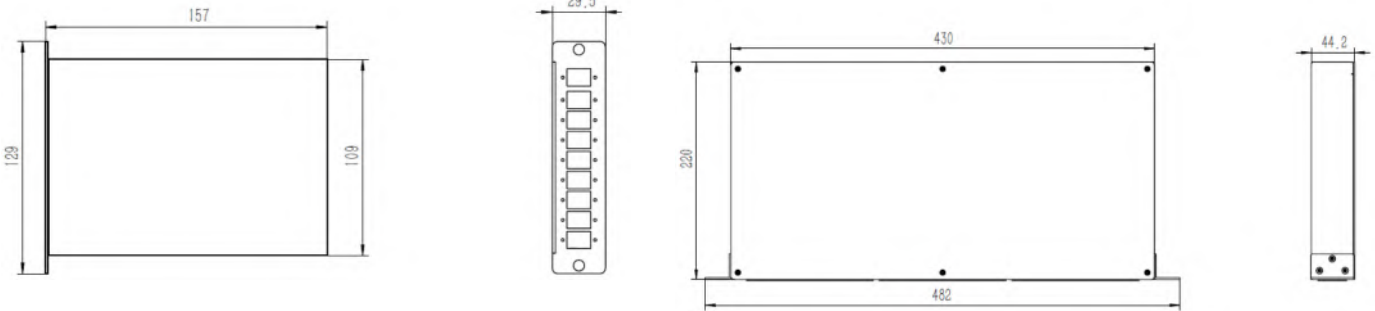
Cable Infor:

Fiber type	G657A1
Pigtail cable	900um
Connector	SC, LC, FC, ST,
2xN Splitter	Only Single Chip



Fiber PLC Splitter-Rack mount Modular design

Dimension (mm)

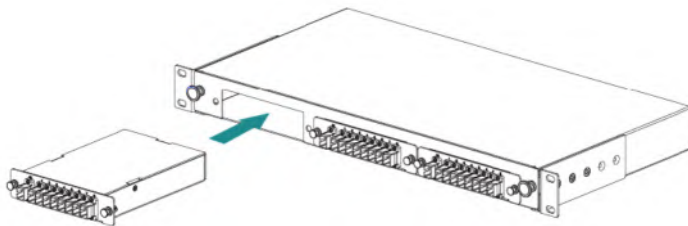


Application

The bare PLC splitter can allow a single GPON network interface to be shared among many subscribers and allow service providers to enable bandwidth-intensive applications. The following figure shows 1X8 bare PLC fiber splitter interconnected with GPON OLT and ONT through fiber optic splice closure.



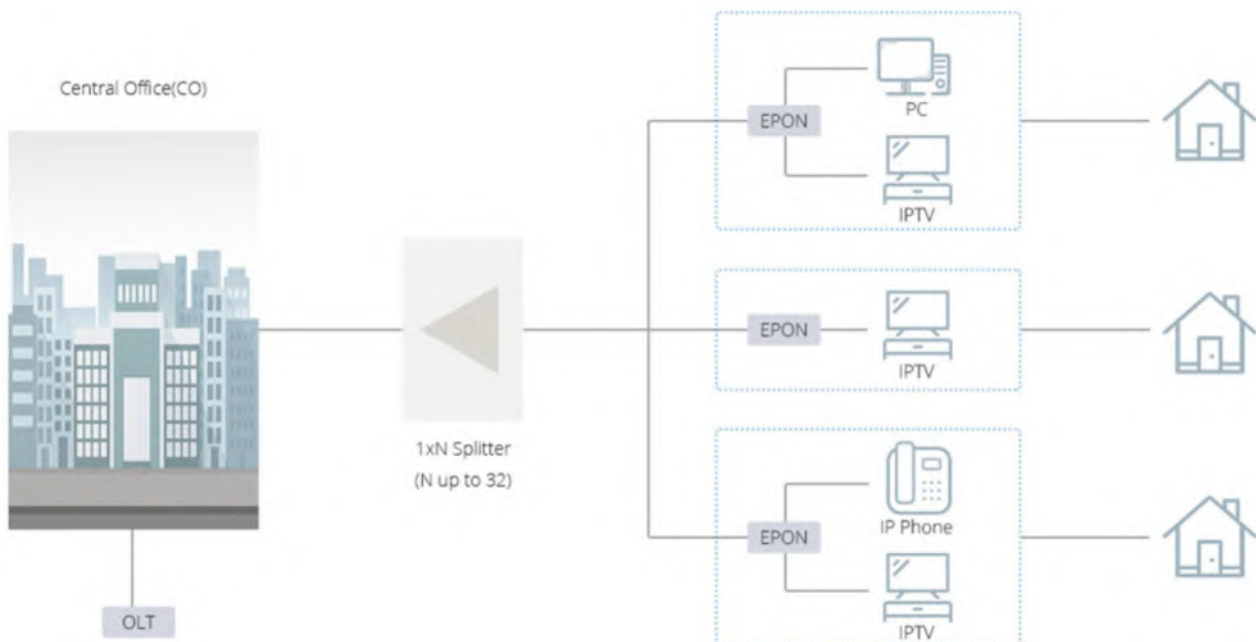
3 slots 1RU rack mount chassis accommodate 3 standard LGX Cassette



Being installed in an outside plant enclosure, PON splitter is used to distribute or combine optical signals, which gives carriers the ability to split optical signals to multiple homes or businesses.

Best Alternative for FTTx Solution

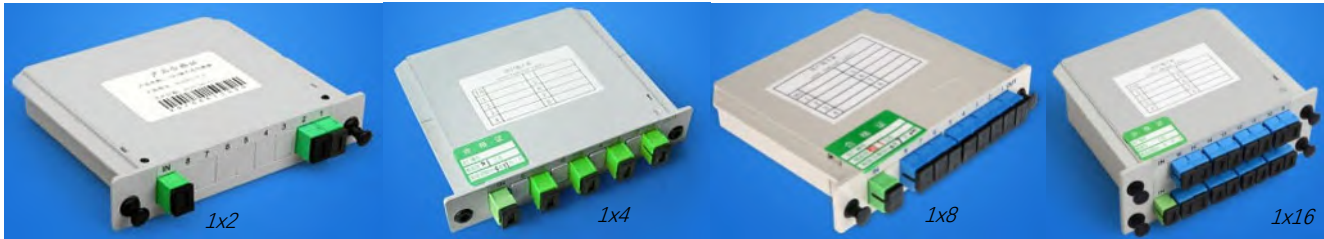
Being installed in an outside plant enclosure, PON splitter is used to distribute or combine optical signals, which gives carriers the ability to split optical signals to multiple homes or businesses.



Description

Planar lightwave circuit (PLC) splitter is an optical power distribution device based on the integrated waveguide of quartz plate. With the features of small size, wide range of operating wavelength, stable reliability and good uniformity, It's widely used in PON,ODN,FTTX point to connect between termination device and central office to achieve the signal splitter.

OMC 's **Mini Plug-in module Type PLC Splitter** family has 1x2, 1x4, 1x8, 1x16, 1x32 PLC splitter, with specifications that are tailored for different applications and markets. Wide bandwidth, compact size. All products meets, ROHS, GR-1209-CORE-2001 and GR-1221-CORE-1999.



Specification

Parameter	Unit	Specification (P Grade)					
Operation Wavelength	nm	1260 ~ 1650					
Channel Number		1X2	1X4	1X8	1X16	1X32	1X64
Insertion Loss with Connector (Max)	dB	4.1/4.4	7.4/7.9	10.5/11.0	13.8/14.1	17.1/17.4	20.4/21.0
Insertion Loss without Connector (Max)	dB	3.8/4.1	7.1/7.6	10.2/10.7	13.5/13.8	16.8/17.1	20.1/20.7
Uniformity (Max.)	dB	0.6	0.7	0.8	1.0	1.5	2.0
Polarization Dependent Loss	dB	0.2	0.2	0.2	0.3	0.3	0.3
Return Loss	dB	≥45 (PC) ; 50 (UPC) ; 60 (APC)					
Directivity	dB	≥55					

Parameter	Unit	Specification (P Grade)					
Operation Wavelength	nm	1260 ~ 1650					
Channel Number		2X2	2X4	2X8	2X16	2X32	2X64
Insertion Loss with Connector (Max)	dB	4.4/4.6	7.7/8.1	10.8/11.3	14.1/14.4	17.4/17.7	20.6/21.3
Insertion Loss without Connector (Max)	dB	4.1/4.3	7.4/7.8	10.5/11	13.8/14.1	17.1/17.4	20.3/21.0
Uniformity (Max.)	dB	0.6	0.7	0.8	1.0	1.5	2.0
Polarization Dependent Loss	dB	0.2	0.2	0.2	0.3	0.3	0.5
Return Loss	dB	≥45 (PC) ; 50 (UPC) ; 60 (APC)					
Directivity	dB	≥55					

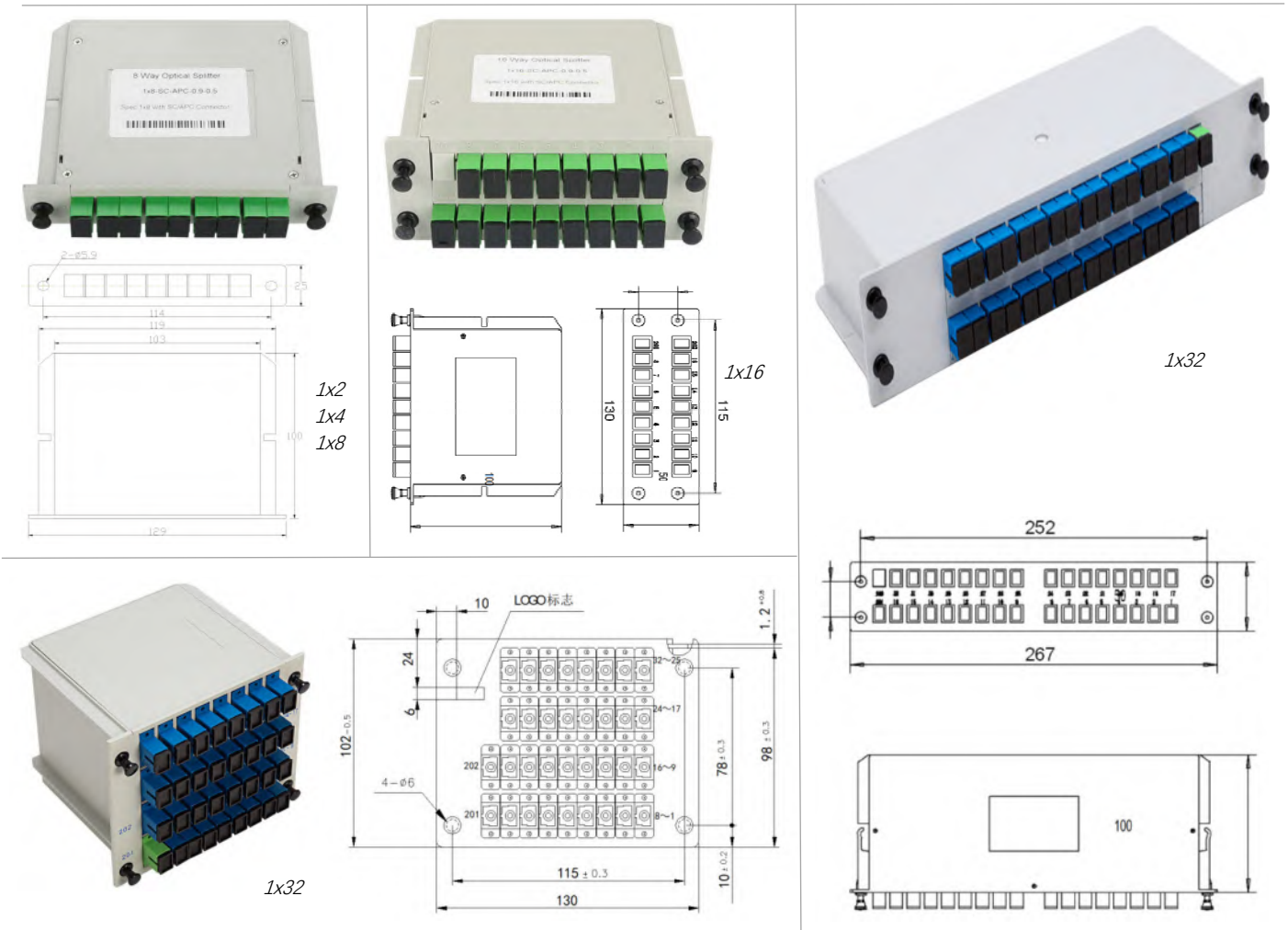
Environmental Conditions:

Operating Temperature	°C	-40 ~ +85
Storage Temperature	°C	-40 ~ +85
Operating Humidity	%RH	≤93
Storage Humidity	%RH	≤93

Cable Infor

Fiber type	G657A1
Pigtail cable	900um
Connector	SC, LC,FC,ST,.....
2xN Splitter	Only Single Chip

Dimension (mm)



Small Size and Compact Design

Usually mounted in the FTTH box for fiber optic signal distribution, saving time and space but still providing reliable protection for fiber optic splitter



Fiber Optical Splitter Outdoor Terminal Box



Fiber Optic Pigtail

Description

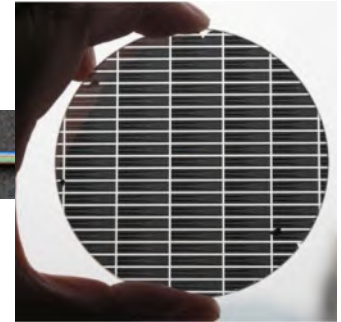


Planar lightwave circuit (PLC) splitter is an optical power distribution device based on the integrated waveguide of quartz plate. With the features of small size, wide range of operating wavelength, stable reliability and good uniformity, It's widely used in PON,ODN,FTTX point to connect between termination device and central office to achieve the signal splitter.

OMC's MM PLC Splitter products based on Glass-based ion-exchanged technology. We can offer 1x2,1x4,1x8,1x16 types products. At the same time, we developed equal and unequal MM PLC Splitter too.



MM PLC Chip



Specifications of unequal Multimode Fiber Optic 1x2/1x3/1x4 PLC Splitter

Asymmetric Type		10 / 90	20 / 80	30 / 70	40 / 60	10 / 20 / 70	10 / 10 / 10 / 70
Operating Wavelength (nm)		850 / 1310 ± 40					
Insert Loss	Typical (dB)	11.4/1.1	7.9/1.6	6.0/2.2	4.8/2.9	12.1/8.0/3.0	11.4/11.4/11.4/3.0
	Max (dB)	11.6/1.2	8.1/1.7	6.3/2.4	5.0/3.0	12.3/8.2/3.2	11.6/11.6/11.6/3.2
PDL (dB)		≤0.1					
WDL (dB)		≤0.2					
Return Loss (dB)		≥40					
Directivity (dB)		≥50					
Fiber Type and Jacket		50/125 or 62.5/125 multi-mode fiber with 900µm jacket					
Connector Type		On Request					
Fiber Length (m)		≤1.5 or on request					
Chip Size H (mm) ×W (mm) ×L (mm)		2.2×1.8× 16.4	2.2×1.8× 13.4	2.2×1.8× 13.4	2.2×1.8× 16.4	2.2×1.8×19.4	2.2×1.8×21.9
Minimum Package Size H (mm) ×W (mm) ×L (mm)		4×7×50	4×4×40	4×4×40	4×7×50	4×7×55	4×7×60

Specifications of equal Multimode Fiber Optic PLC Splitter

Symmetric Type		1×2	1×3	1×4	1×8	1×16
Operating Wavelength (nm)		850 / 1310 ± 40				
Insert Loss	Typical (dB)	3.5	5.5	6.7	10.4	13.5
	Max (dB)	3.7	5.8	7.1	10.8	14
Uniformity (dB)		≤0.6	≤0.8	≤1.0	≤1.5	≤1.8
PDL (dB)		≤0.1	≤0.1	≤0.1	≤0.1	≤0.1
Return Loss (dB)		≥40				
Directivity (dB)		≥50				
Fiber Type and Jacket		50/125 or 62.5/125 multi-mode fiber with 900µm/2.0mm jacket				
Connector Type		On Request				
Fiber Length (m)		≤1.5 or on request				
Chip Size H (mm) ×W (mm) ×L (mm)		2.2×1.8×10.4	2.2×1.8×11.4	2.2×1.8×12.9	2.2×1.8×16.4	2.2×2.2×21.4
Minimum Package Size H (mm) ×W (mm) ×L (mm)		4×4×40	4×4×40	4×4×40	4×7×50	4×12×60

Order Index

Patch cord	Fiber count	Fiber Grade	Input Connector	Input cable OD	Output Connector	output cable OD	Out jacket	Cable Color	length
Z1-PLC Splitter	1-Bare Fiber type	1 - G652D	A LC UPC	1-0.9mm	A LC UPC	1-0.9mm	H- LSZH	A Blue	1=1m ...
	2-Brookless type	2 - G657A1	B SC UPC	2-1.2mm	B SC UPC	2-1.2mm	C - PVC	B Orange	
	3-ABS Cassette type	3 - G657A2/B2	C FC UPC	3-1.6mm	C FC UPC	3-1.6mm	R - OFNR	C Green	
	4-Rack mount integrated Fixed design	4 - G657B3	D ST UPC	4-1.7mm	D ST UPC	4-1.7mm	P - OFNP	D Brown	
	5-Rack mount Modular Slide Rail design	5 - OM1	E LC APC	5-1.8mm	E LC APC	5-1.8mm		E Grey	
	6-Rack mount Modular design	6 - OM2	F SC APC	6-2.0mm	F SC APC	6-2.0mm		F White	
	7-LGX Cassette Design	7 - OM3	G FC APC	7-2.4mm	G FC APC	7-2.4mm		G Red	
	8-Mini Plug-in module	8 - OM4	H ST APC	8-2.6mm	H ST APC	8-2.6mm		H Black	
	9-MM PLC Splitter	9 - OM5	I E2000 UPC	9-2.8 (3.0) mm	I E2000 UPC	9-2.8 (3.0) mm		I Yellow	
		A - 康宁G652D	J E2000 APC		J E2000 APC			J Purple	
		B - 康宁 G657A1	L DIN UPC		L DIN UPC			K Pink	
		C - 康宁 G657A2/B2	M DIN APC		M DIN APC			L aqua	
		D - 康宁 G657B3	N D4		N D4			M Magenta	
		E - OM1康宁	O MU UPC		O MU UPC			X- other	
		F - OM2康宁	P MU APC		P MU APC				
		G - OM3康宁	R LX.5 UPC		R LX.5 UPC				
		H - OM4康宁	S LX.5 APC		S LX.5 APC				