



### Applications

- CATV, FTTH, ROADM, LAN, WAN systems
- Signal, Network monitoring, Live line monitoring system

### Features

- Telecordia GR-1209 & GR-1221 qualified
- Compact Package
- Low Insertion Loss, PDL
- High Uniformity

### Description:

The Optical Power Splitter 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.

### 1xN type

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
1x2BL					7	4	55
1x3		6.6	0.6	0.2	4	4	40
1x4		7.4	0.6	0.2	4	4	40
1x4BL					7	4	55
1x6		9.6	0.8	0.2	4	4	40
1x8		10.5	0.8	0.2	4	4	40
1x8BL					7	4	55
1x9		11.4	1.0	0.3	7	4	55
1x12		12.5	1.0	0.3	7	4	55
1x16		13.6	1.0	0.3	7	4	55
1x16BL					12	4	60
1x24		16.2	1.3	0.3	7	4	55
1x32		17.0	1.3	0.3	7	4	55
1x64		20.5	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

## 2xN type

Type	Wavelength Range (nm)	IL max (dB)	IL Uni (dB)	PDL (dB)	Dimensions (mm)		
					Width	Height	Length
2x2	1260 - 1650	4.4	0.8	0.3	7	4	55
2x4		7.6	1.0	0.3	7	4	55
2x8		11.0	1.0	0.3	7	4	55
2x16		14.3	1.5	0.3	7	4	60
2x32		17.5	1.8	0.3	7	4	60
2x64		21.2	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

\* All products available at Customized Specification.

Special type : Nx(1x2)ch. Array Tap Splitter ( $1 \leq N \leq 8$ )

Type	Ratio (%)	Wavelength Range (nm)	Mainport IL max. (dB)	Tap port IL max. (dB)	IL Uni. (dB)	PDL (dB)
1x2	50:50	1260 - 1650	<3.8	<3.8	<1.0	<0.2
	70:30		<3.0	5~7	<1.0	<0.2
	80:20		<2.6	7~9	<1.0	<0.2
	90:10		<1.8	9~12	<1.0	<0.2
	95:05		<1.2	12~15	<1.0	<0.2
	98:02		<1.0	15~18	<1.0	<0.2

Type	Wavelength Range (nm)	IL max. (dB)	WDL (dB)	IL Uni. (dB)	PDL (dB)	Dimensions (mm)		
						Width	Height	Length
1x2	1260 - 1650	≤3.8	<1.0	<0.6	≤0.2	4	4	40
4x(1x2)		≤4.1	<1.0	<0.8	≤0.3	7	4	55
8x(1x2)		≤4.3	<1.0	<1.0	≤0.3	7	4	55
16x(1x2)		≤4.5	<1.0	<1.0	≤0.3	7	4	55

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<sup>1,2</sup>**

XS-n2n3n4n5n6n7n8 (part number)				
Input/Output Channel (n2n3)	Module Type (n4)	Cable Type (n5)	Fibre Length (n6n7)	Connector Type (n8)
1x2	Box type (ABS), Blockless	Bare fibre (250 µm)	1 m	None
1x4	LGX box	Tube 900 µm	Custom length	LC
1x8	19" box	2 mm cable		SC
1x16	Glass tube	Ribbon type		LC/APC
1x32				
1x64				
1x128				
2x2				
2x4				
2x8				
2x16				
2x32				
2x64				
2x128				

**Notes:**

- <sup>1</sup> For accurate order specification please contact Xenopt reseller before placing an order. The content of this document is subject to change without notice. Xenopt does not guarantee errorless or outdated information.
- <sup>2</sup> For high power splitter module and polarization maintaining splitters, please contact your local XenOpt representative.

**Important Notice**

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