

PLC Splitter



2x8 PLC Splitter



2x64 PLC Splitter



1x128 PLC Splitter

Description

Neptec's 1xN / 2xN PLC splitters, which are based on planar lightwave circuit technology and precision aligning process, can divide single/dual optical input(s) into multiple optical outputs uniformly, and provide superior optical performance, high stability and high reliability to meet various application requirements.

Features

- Low Insertion Loss
- Low PDL
- Wide Operating Wavelength
- Wide Operating Temperature
- High Reliability and Stability

Applications

- FTTX Deployments
- PON Networks
- CATV Links
- Optical Signal Distribution

Specifications

Parameter	Unit		Specification
Operating Wavelength	nm		1260~1650
Return Loss	Min	dB	50
Directivity	Min	dB	55
Operating/Storage Temperature	°C		-40~85
Fiber Type	-		Comply with G.657A1 or G.657A2

Parameter		Unit	1X2	1X4	1X6	1X8	1X12	1X16	1X32	1X64	
			Premium Grade								
Insertion Loss (at 23°C)	Typ.	dB	3.5	6.8	9.3	10.0	12.1	13.2	16.5	20.0	
	Max	dB	3.7	7.0	9.6	10.4	12.6	13.5	17.0	20.5	
Channel Uniformity	Max	dB	0.6	0.6	1.0	1.0	1.0	1.3	1.5	1.8	
Polarization Dependent Loss	Typ.	dB	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	
	Max	dB	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.3	
			Standard Grade								
Insertion Loss (at 23°C)	Typ.	dB	3.6	7.0	9.5	10.4	12.4	13.6	17.0	20.5	
	Max	dB	4.0	7.4	10.0	10.8	12.8	14.0	17.4	21.0	
Channel Uniformity	Max	dB	0.6	0.8	1.0	1.0	1.0	1.3	1.5	1.8	
Polarization Dependent Loss	Typ.	dB	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.3	
	Max	dB	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.4	
Package Dimension (HxWxL)	Basic Type	mm	4x4x40			4x5x45		4x7x55		4x12x60	
	Fan-out Type		4x7x60			6x20x80 (6x19x100)		6x40x100			
	Small Form Type	mm	4x7x60			6x20x80 (6x19x100)		6x40x100			
	Cassette Type	mm	NA	100x45x9.9				132x154x14			

Parameter		Unit	2X2	2X4	2X8	2X16	2X32	2X64	
			Premium Grade						
Insertion Loss (at 23°C)	Typ.	dB	4.0	7.2	10.6	13.8	17.0	21.0	
	Max	dB	4.2	7.5	11.0	14.3	17.5	21.5	
Channel Uniformity	Max	dB	1.2	1.3	1.6	1.8	2.3	2.5	
Polarization Dependent Loss	Typ.	dB	0.2	0.2	0.2	0.2	0.2	0.3	
	Max	dB	0.3	0.3	0.3	0.4	0.4	0.4	
			Standard Grade						
Insertion Loss (at 23°C)	Typ.	dB	4.2	7.5	11.0	14.3	17.4	21.5	
	Max	dB	4.5	7.9	11.4	14.7	17.9	22.0	
Channel Uniformity	Max	dB	1.2	1.5	1.6	2.0	2.5	3.0	
Polarization Dependent Loss	Typ.	dB	0.2	0.2	0.2	0.3	0.3	0.3	
	Max	dB	0.3	0.3	0.3	0.4	0.4	0.5	
Package Dimension (HxWxL)	Basic Type	mm	4x5x45			4x7x55 (4x7x60)		4x12x60	
	Fan-out Type		4x7x70			6x20x80 (6x19x100)		6x40x100	
	Small Form Type	mm	4x7x70			6x20x80 (6x19x100)		6x40x100	
	Cassette Type	mm	132x154x14						

Ordering Information

Input Ports (A)	
1	1
2	2

Output Ports (BBB)	
002	2
004	4
006	6
008	8
012	12
016	16
032	32
064	64

Input Connectors (CC)	
00	None
FU	FU/UPC
FA	FC/APC
LU	LC/UPC
LA	LC/APC
SU	SC/UPC
SA	SC/APC
PM	MPO/APC (MALE)
TM	MTP/APC (MALE)
PF	MPO/APC (FEMALE)
TF	MTP/APC (FEMALE)

Output Connectors (DD)	
00	None
FU	FU/UPC
FA	FC/APC
LU	LC/UPC
LA	LC/APC
SU	SC/UPC
SA	SC/APC
PM	MPO/APC (MALE)
TM	MTP/APC (MALE)
PF	MPO/APC (FEMALE)
TF	MTP/APC (FEMALE)

Packaging Configuration (E)	
1	Basic Type
2	Fan-out Type
3	Small Form Type
4	Cassette Type with 2mm Cable
5	LGX/Wall Mountable Module

Input Lead Length (FFF)	
005	0.5m
010	1.0m
020	2.0m
...	...
100	10m
CSL	Custom Spec.

Output Lead Length (GG)	
00	0.5m
01	1.0m
02	2.0m
03	3.0m
04	4.0m
05	5.0m
06	6.0m
07	7.0m
08	8.0m
09	9.0m
10	10.0m
CS	Custom Spec.

