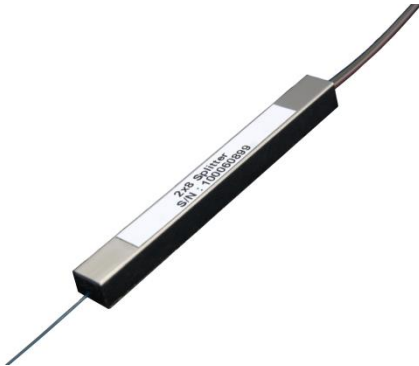


PLC Splitter



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										
	Small Form Type	mm	4x7x60					6x20x80		6x40x100	
	Cassette Type	mm						NA			100x45x9.9

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								
	Small Form Type	mm		4x7x70			6x20x80 (6x19x100)		6x40x100
	Cassette Type	mm		132x154x14					

Ordering Information

Input Ports (A)		Input Connectors (CC)		Output Connectors (DD)		Packaging Configuration (E)		Output Lead Length (GG)	
1	1	00	None	00	None	1	Basic Type	00	0.5m
2	2	FU	FU/UPC	FU	FU/UPC	2	Fan-out Type	01	1.0m
		FA	FC/APC	FA	FC/APC	3	Small Form Type	02	2.0m
		LU	LC/UPC	LU	LC/UPC	4	Cassette Type with 2mm Cable	03	3.0m
		LA	LC/APC	LA	LC/APC	5	LGX/Wall Mountable Module	04	4.0m
		SU	SC/UPC	SU	SC/UPC			05	5.0m
		SA	SC/APC	SA	SC/APC			06	6.0m
		PM	MPO/APC (MALE)	PM	MPO/APC (MALE)			07	7.0m
		TM	MTP/APC (MALE)	TM	MTP/APC (MALE)			08	8.0m
		PF	MPO/APC (FEMALE)	PF	MPO/APC (FEMALE)			09	9.0m
		TF	MTP/APC (FEMALE)	TF	MTP/APC (FEMALE)			10	10.0m
								CS	Custom Spec.

Output Ports (BBB)		Input Lead Length (FFF)	
002	2	005	0.5m
004	4	010	1.0m
006	6	020	2.0m
008	8	...	...
012	12	100	10m
016	16	CSL	Custom Spec.
032	32		
064	64		

PLCM	-	A	-	B B B	-	C C	-	D D	-	E	-	F F F	-	G G
PLCM	-		-		-		-		-		-		-	