

## ■ PPI PLC Splitter Chip

PPI PLC Splitter Chip is a main part of PON system to cover many demanders for receiving light signals at the same time by distributing delivered light signals into N number.

In addition, Splitter Chip can be operated reverse direction with combination of one or two optical fiber(s).

## ■ Applications

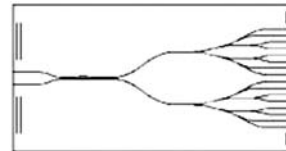
Applications are FTTH, FTTB, FTTC, CATV networks System, PON(Passive optical Network)System, Fiber Optic Equipment and Systems, etc.

## ■ Feature

Low Loss and PDL, Good Uniformity, Small size.

## ■ Material

Quartz.



## Ordering Information

<b>PPI</b>	1FXXL1 1HXXL1 2FXXL1 2HXXL1	SW SS SC	1 2 3 ... X	0 1 2 ... X	<b>P</b>	X
	Mask Type	Product Type	Channel No.	Product No.2.		Identification NO.
	1/2: input channel Qty F/H: channel spacing XX: output channel Qty X1: pattern type(design)	SW: Splitter Wafer SS: Splitter Strip SC: Splitter Chip	1:4channel 2:8channel 3:16channel 4:32channel 5:64channel 6:3channel 7:6channel 8:12channel 9:2channel 10:128channel	0: bare 1: with lid glass 2: polishing		0: Bare 1: 82° angle based on substrate(O8) (Top/Lid short) 2: 98° angle based on substrate(R8) (Top/Lid long) 3: Flat

\*All products available Customized Specifications.



## PLC Splitter Chip

## Specifications 1 x N type (Premium)

Type	Wavelength Range (nm)	IL max (dB)	IL Uni (dB)	PDL (dB)	Dimensions (mm)			Polishing Angle	OutputPort Pitch (um)
					Width	Height	Length		
1x2	1260 ~ 1650	3.5	0.3	0.1	2.3	2.575	9.6	O8 R8	250
1x3		5.8	0.5	0.1	2.3	2.575	9.6	O8 R8	250
1x4		6.8	0.5	0.1	2.3	2.575	9.6	O8 R8	250
1x6		8.8	0.6	0.1	2.5	2.575	13.2	O8 R8	250
1x8(f)		9.8	0.6	0.12	2.5	2.575	11.7	O8 R8	250
1x8(h)		9.8	0.6	0.12	2.3	2.575	9.9	O8 R8	127
1x12		11.8	0.8	0.15	2.3	2.575	14.7	O8 R8	127
1x16		12.8	0.8	0.15	2.65	2.575	13.3	O8 R8	127
1x32		16.2	1.0	0.2	4.7	2.575	16.9	O8 R8	127
1x64		19.5	1.2	0.2	8.85	2.575	22.0	O8 R8	127
1x128		23.0	1.5	0.3	17.0	2.575	27.6	O8 R8	127

## Specifications 1xN type(Standard)

Type	Wavelength Range (nm)	IL max (dB)	IL Uni (dB)	PDL (dB)	Dimensions (mm)			Angle	OutputPort Pitch (um)
					Width	Height	Length		
1x2	1260 ~ 1650	3.7	0.3	0.2	2.3	2.575	9.6	O8 R8	250
1x3		5.8	0.5	0.2	2.3	2.575	9.6	O8 R8	250
1x4		7.0	0.5	0.2	2.3	2.575	9.6	O8 R8	250
1x6		8.8	0.6	0.2	2.5	2.575	13.2	O8 R8	250
1x8(f)		10.0	0.6	0.2	2.5	2.575	11.7	O8 R8	250
1x8(h)		10.0	0.6	0.2	2.3	2.575	9.9	O8 R8	127
1x12		11.8	0.8	0.2	2.3	2.575	14.7	O8 R8	127
1x16		13.0	0.8	0.2	2.65	2.575	13.3	O8 R8	127
1x32		16.5	1.1	0.2	4.7	2.575	16.9	O8 R8	127
1x64		20.0	1.5	0.2	8.85	2.575	22.0	O8 R8	127
1x128		23.2	2.0	0.3	17.0	2.575	27.6	O8 R8	127

\*All products available Customized Specifications.



# PLC Splitter Chip

## Specifications 2 x N type (Premium)

Type	Wavelength Range (nm)	IL max (dB)	IL Uni (dB)	PDL (dB)	Dimensions (mm)			Angle	OutputPort Pitch (um)
					Width	Height	Length		
2x2	1260 ~ 1650	3.7	0.8	0.25	2.3	2.575	10.9	O8 R8	250
2x4		7.0	1.0	0.25	2.3	2.575	14.0	O8 R8	250
2x8		10.2	1.0	0.25	2.3	2.575	15.0	O8 R8	127
2x16		13.5	1.2	0.3	2.7	2.575	18.3	O8 R8	127
2x32		16.8	1.5	0.3	4.7	2.575	21.8	O8 R8	127
2x64		20.1	1.5	0.3	8.85	2.575	26.8	O8 R8	127
2x128		23.2	1.8	0.3	17.0	2.575	32.8	O8 R8	127

## Specifications 2 x N type (Standard)

Type	Wavelength Range (nm)	IL max (dB)	IL Uni (dB)	PDL (dB)	Dimensions (mm)			Angle	OutputPort Pitch (um)
					Width	Height	Length		
2x2	1260 ~ 1650	4.0	0.8	0.25	2.3	2.575	10.9	O8 R8	250
2x4		7.4	1.2	0.25	2.3	2.575	14.0	O8 R8	250
2x8		10.4	1.3	0.25	2.3	2.575	15.0	O8 R8	127
2x16		13.9	1.8	0.3	2.7	2.575	18.3	O8 R8	127
2x32		17.0	1.8	0.3	4.7	2.575	21.8	O8 R8	127
2x64		20.5	1.8	0.3	8.85	2.575	26.8	O8 R8	127
2x128		23.4	1.8	0.3	17.0	2.575	32.8	O8 R8	127

## Specifications Special type - 1x5ch

Type	Wavelength Range (nm)	ILmax(dB) (Channel1)	ILmax(dB) (Channel 2-5)	ILUni(dB) (Channel 2-5)	PDL (dB)	Return Loss (dB)	Directivity (dB)	Dimensions (mm)		
								Width	Height	Length
1x5 (25%:75%)	1260 ~ 1650	1.6	14.5	0.6	0.2	55	55	2.3	2.575	13.2
1x5 (33%:67%)		2.2	12.8	0.6	0.2					
1x5 (50%:50%)		3.6	10.2	0.6	0.2					
1x5 (95%:5%)		16.0	7.2	0.6	0.2					



\*Ch No.1 → 75%, 67%, 50%, **5%**

\*Ch No.2-5 → 25%, 33%, 50%, **95%**

\*All products available Customized Specifications.