

Planar lightwave circuit (PLC) splitter



Bare fiber type

Mini type

ABS box type

Product Description:

Planar lightwave circuit (PLC) splitter is fabricated using silica optical waveguide technology and offers a low cost solution for optical signal distribution. It has low insertion loss and polarization dependent loss, miniature size, wide operating wavelength and temperature range, super reliability, and excellent channel uniformity. Precision Micro-optics provides 1xN and 2xN series of splitters. Three packaging types are available fan-out PLC splitter, module PLC splitter or rack mount PLC splitter shown below.

Features:

- Low insertion loss and PDL
- High channel number
- Compact size
- High reliability
- Wide operating wavelength and temperature range
- Excellent channel uniformity
- Telecordia GR-1221 and GR-1209

Specifications (1XN):

Port Configuration	1X2	1X4	1X8	1X16	1X32	1X64	
Operating Wavelength (nm)	1260 ~ 1650						
Insertion Loss (dB)	Typical	3,5	6,8	10,2	13,1	16,2	20,0
	Max	4	7,4	10,5	13,5	16,9	20,0
Channel Uniformity (dB)	0,5	0,7	1.0	1.4	1,8	2,0	
PDL (dB)	0,2	0,2	0.3	0.3	0,3	0,3	
WDL (dB)	0,3	0,3	0.3	0.5	0,5	0,5	
TDL (-40°C ~ 85°C)(dB)	0,5	0,5	0.5	0.8	0,8	1,0	
RL (dB)	> 55dB						
Directivity (dB)	> 55dB						
Fiber Type	G652D						

Operating Temperature Range		-40°C ~ 85°C					
Specifications (2XN):							
Port Configuration		2X2	2X4	2X8	2X16	2X32	2X64
Operating Wavelength (nm)		1260 ~ 1650					
Insertion Loss (dB)	Typical	3,8	7,2	10,6	14	16,8	20,2
	Max	4,2	7,8	11,2	14,6	17,9	21,2
Channel Uniformity (dB)		1	1,4	1.5	2.0	2,5	2,8
PDL (dB)		0,2	0,2	0.4	0.4	0,4	0,4
WDL (dB)		0,6	0,6	0.8	0.8	0,8	1,0
TDL (-40°C ~ 85°C)(dB)		0,5	0,5	0.5	0.8	0,8	1,0
RL (dB)		> 50dB					
Directivity (dB)		> 55dB					
Fiber Type		G652D					
Operating Temperature Range		-40°C ~ 85°C					

Device Size :

Bare fiber type:

Item	1×2 1×4 1×8	1×16 1×32	1×64	2×2	2×4	2×8	
(L*W*H) (mm)	40*4*4	50*7*4	60*12*4	60*7*4	70*7*4	70*7*4	

Mini type:

Item	1×2 1×4 1×8	1×16	1×32	1×64	2×2	2×4	2×8
(L*W*H) (mm)	60*7*4	60*12*4	80*20*6	100*40*6	60*7*4	80*12*4	100*20*6

ABS Box type:

Item	1×2 1×4 1×8	1×16 1×32	1×64	2×2 2×4 2×8	2×16 2×32	2×64	
(L*W*H) (mm)	100×80×10	120*80*18	140*115*18	100×80×10	120×80×18	140×115×18	

Models :

PLC Splitter	TS-SPLIT1*8	1*8PLC Splitter ABS box 2.0mm 1M SC/UPC
PLC Splitter	TS-SPLIT1*16	1*16PLC Splitter ABS box 2.0mm 1M SC/UPC
PLC Splitter	TS-SPLIT1*8M	1*8PLC Splitter mini steel 0.9mm 1M SC/UPC
PLC Splitter	TS-SPLIT1*16M	1*16PLC Splitter mini steel 0.9mm 1M SC/UPC