

PLC Splitter

Description:

Planar lightwave circuit (PLC) splitter is fabricated using silica optical waveguide technology and offers a low cost solution for optical signal distribution. HuiGoo provides 1xN and 2xN series of splitters. Three packaging types are available fan-out PLC splitter, module PLC splitter, or rack mount PLC splitter .

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 (2XN):

Port Configuration		2X2	2X4	2X8	2X16	2X32	2X64
Operating Wavelength (nm)		1260 ~ 1650					
Insertion Loss (dB)	Typical	3.8	7.2	10.6	14.0	16.8	20.8
	Max	4.2	7.8	11.2	14.6	17.9	21.5
Channel Uniformity (dB)		1.0	1.4	1.5	2.0	2.5	2.5
PDL (dB)		0.2	0.2	0.4	0.4	0.4	0.5
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
Dimensions for Fan-out (mm)		60(L)X7(W)X4(H)		80(L)X12(W)X4(H)		80X20X6	

RL (dB)	> 50dB
Directivity (dB)	> 55dB
Fiber Type	G652D
Operating Temperature Range	-40°C ~ 85°C

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	20.2
	Max	4.0	7.4	10.5	13.5	16.9	21.0
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	0.4
WDL (dB)		0.3	0.3	0.3	0.5	0.5	0.8
TDL (-40°C ~ 85°C)(dB)		0.5	0.5	0.5	0.8	0.8	1.0
Dimensions for Fan-out (mm)		60(L)X7(W)X4(H)			60X12X4	80(L)X20(W)X6(H)	
RL (dB)		> 55dB					
Directivity (dB)		> 55dB					
Fiber Type		G652D					
Operating Temperature Range		-40°C ~ 85°C					

Ordering Information:

xx	xxxx	x	x	X	X
Wavelength	Port	Fiber Type	Input Pigtail	Fiber Length	Connector
35=1310/1550nm	0102=1x2	1=G6520	1=Bare Fiber	1=1.0 meter	0=None
13=1310nm	0104=1x4	2=G657A	2=900um Loose Tube	2=1.5 meters	1=FC/APC
15=1550nm	C=Customized Fiber	3=Jacket Fiber	3=0.5 meters	2=FC/PC
	0264=2x64			C=Customized Length	3=SC/APC
					4=SC/PC
					5=Other