

1xN SM PLC Splitter

1xN SM PLC Splitter (Planar Lightwave Circuit) is a fiber optic component built with silica optical waveguid technology, it's used to split the signal optical power with even ratio, it's widely applied in telecommunication, FTTx, CATV and PON Network field, the MM and PM types are available upon request.

Application:

FTTx
PON Network
CATV System
Optical Power Distribution

Features:

Low PDL
Compact Package
Low Insertion Loss
High Reliability



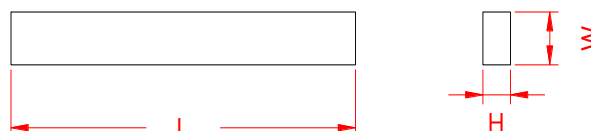
Specification:

Parameter	Symbol	Value						Unit
Configuration		1x2	1x4	1x8	1x16	1x32	1x64	-
Operating Wavelength	λ	1260-1650						nm
Max. Insertion Loss	IL	3.8	7.2	10.3	13.5	16.5	20.5	dB
Max. Insertion Loss Uniformity		0.4	0.6	0.8	1.0	1.5	2.0	dB
Max. Polarization Dependent Loss	PDL	0.1	0.1	0.1	0.2	0.25	0.3	dB
Max. Wavelength Dependent Loss	WDL	0.3	0.3	0.3	0.3	0.5	0.5	dB
Package Dimension	For 250um Bare Fiber	40x4x4	40x4x4	40x4x4	50x7x4	50x7x4	60x12x4	mm
	For 900um Loose Tube	60x7x4	60x7x4	60x7x4	60x12x4	80x12x6	100x40x6	mm
Min. Directivity		50						dB
Min. Return Loss	RL	50						dB
Fiber Type		G657A1 fiber						-
Max. Tensile Load		5						N
Max. Optical Power (CW)	P	500						mW
Operating Temperature	T	-5~75						°C
Storage Temperature	T	-40~85						°C

Notice: Above specifications are tested at center wavelength without connector in room temperature @23°C.

For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower.

Drawing



Ordering Information (Part Number):

SMPLC-WWWW-PPP-FF-J-LL-CC					
WWW	PPP	FF	J	LL	CC
Wavelength	Port	Fiber Type	Fiber Jacket	Fiber length	Connector
1216 - 1260-1620nm	102 - 1x2 104 - 1x4 108 - 1x8 116 - 1x16 132 - 1x32 164 - 1x64 1128 - 1x128 SSS - Specify	G1 - G657A1 SS - Specify	B - 250um Bare Fiber 9 - 900um Loose Tube 2 - 2.0mm Loose Tube 3 - 3.0mm Loose Tube	05 - 0.5m 08 - 0.8m 10 - 1.0m 15 - 1.5m 20 - 2.0 SS - Specify	NE - None FA - FC/APC FU - FC/UPC SA - SC/APC SU - SU/APC LA - LC/APC LU - LC/UPC SS - Specify