1xN SM PLC Splitter

1xN SM Planar Lightwave Circuit (PLC) 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:

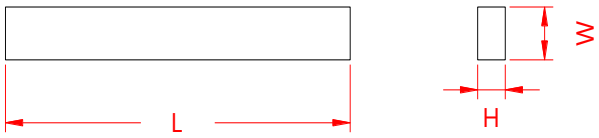
Low PDL
Compact Package
Low Insertion Loss
High Reliability

Specification:

Parameter		Symbo	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. Tensil Load			5						N
Max. Optical Power (CW)		P	500						mW
Operating Temperature		T	-5~75						℃
Storage Temperature		T	-40~85						℃

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

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