

1550nm 1xN PM PLC Splitter

1550nm 1xN PM PLC Splitter (Polarization Maintaining Planar Lightwave Circuit) is a fiber optic component built with silica optical waveguide technology, it's used to split the signal optical power with even ratio where the polarization maintaining status is needed, it's widely applied in fiber optic sensor, fiber optic gyroscope and coherent communication field.

Application:

Fiber Optic Sensor
Fiber Optic Gyroscope
Coherent Communication
Optical Power Distribution

Features:

High Extinction Ratio
Compact Package
Low Insertion Loss
High Reliability



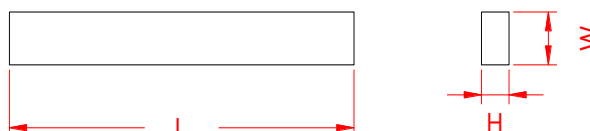
Specification:

Parameter	Symbol	Value						Unit
Configuration		1x2	1x4	1x8	1x16	1x32	1x64	-
Operating Wavelength	λ	1550±40						nm
Max. Insertion Loss	IL	4.0	7.4	10.7	13.9	17.2	21.3	dB
Max. Insertion Loss Uniformity		0.4	0.6	1.0	1.4	1.6	2.0	dB
Min. Extinction Ratio	ER	20	20	20	18	18	18	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		PM 1550 Panda 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, ER will be 2dB lower.

Drawing



Ordering Information (Part Number):

PMPLC- WWW - PPP - J - LL - CC				
WWW	PPP	J	LL	CC
Wavelength	Port	Fiber Jacket	Fiber length	Connector
1550 - 1550nm	102 - 1x2	B - 250um Bare Fiber	05 - 0.5m	NE - None
SSSS - Specify	104 - 1x4	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
	SSS - Specify			LU - LC/UPC
				SS - Specify