

PLC Splitters

Passive splitters for optical signal distribution

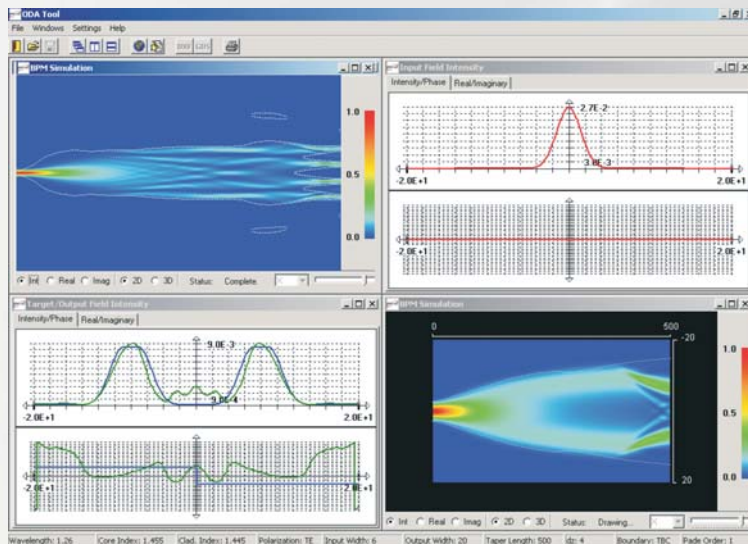
Photeon's single-mode 1xN and 2xN splitters split one input signal into multiple (N) identical signals for N output ports. The splitters are ideal for use in passive optical networks (PONs), where fiber-to-the-premises (FTTx) systems carry the optical data and video signals directly to the customer's premises. Photeon's chips are considerably smaller in size than others currently available on the market.

Features

- 1x4, 1x8, 1x16, 1x32 splitters
- other designs on request
- high uniformity
- low insertion loss
- very small footprint
- wavelength independent
- cost-effective

Applications

- optical signal distribution
- Passive Optical Networks
- Fiber-to-the-Premises



Designed by Optical Design Automation (ODATM) for Splitters.

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Splitter specifications

Parameter	1x4	1x8	1x16	1x32	Unit
Output port spacing	127	127	127	127	um
Insertion loss	6.63	10.27	13.58	16.62	dB
Nonuniformity	0.36	1.01	1.01	1.01	dB
PDL	<0.10	<0.10	<0.10	<0.10	dB
Dimensions	length	2.81	4.95	6.63	mm
	width	0.39	0.89	1.91	
Wavelength range	1260 - 1650				nm

(Preliminary data)