

BASE PASSIVE PIC

Features

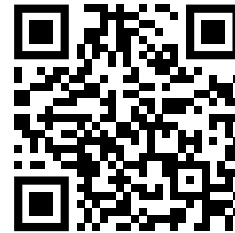
The MPW Base Passive PIC consists of one silicon and two silicon nitride waveguides. A trench is available to remove most of cladding oxide over the first nitride waveguide.

The Base Passive PIC is supported by component libraries from Analog Photonics (APSUNY), Spark Photonics, and the Research Foundation for SUNY (RFS).

- The APSUNY library is a comprehensive, high performance, black box library focused on operation in the O, C, and L bands.
- The Spark Photonics library features waveguides, input couplers, MMI's, and more focused on operation from 700-1300nm.
- The RFS library includes basic passive components such as input couplers, power taps, and splitters.

VIEW COMPONENT LIBRARIES

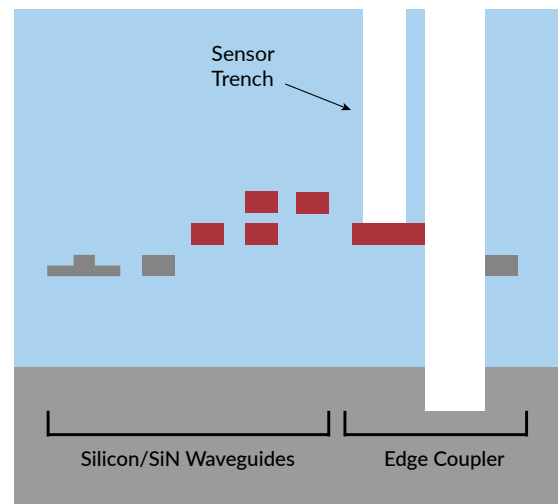
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Customization Available

- Adjust ridge depth
- Adjust waveguide thickness
- Adjust vertical spacing between waveguides
- Trench to the Si waveguide
- Fully expose Si or SiN waveguide in the bottom of a trench

While MPWs typically follow a standard process flow that designers cannot modify, AIM Photonics has developed a "bite size custom" offering where designers can make minor changes to the process flow for an additional fee. This is not a full custom run, and the modification must be something the fab team can execute without development work.



The fee typically varies between \$10,000 - \$50,000 depending on exactly what customization(s) are desired.

Please contact us well in advance of the design due date to ensure the fab team understands your request and can properly quote the work.

Schedule and Pricing Information 

Schedule

Year	Run ID	Design Due Date	Expected Ship Date
2022	PAS 22-01P	Mar 7, 2022	Jun 7, 2022
	PAS 22-02P	Jun 6, 2022	Sep 6, 2022
	PAS 22-03P	Sep 12, 2022	Dec 12, 2022
	PAS 22-04P	Dec 5, 2022	Mar 5, 2023

Pricing

Passive PIC Offerings	Member (per 20 qty chips)	Non-Member (per 20 qty chips)
25 mm ²	\$20,000	\$24,000
50 mm ²	\$30,000	\$36,000
100 mm ²	\$40,000	\$48,000

Notes

- Start dates for runs are subject to change.
- Member Prices shown are for customers who are Full Active Members and have executed an AIM Photonics Membership Agreement.
- Customer receives 20 qty unpackaged chips of the size/technology ordered.
- All chips are placed in a gel-pack and shipped to the customer as part of Standard MPW Offerings pricing.
- For an additional charge, sub-dicing or post processing is available – please see information on aimphotonics.com about Testing, Assembly and Packaging (TAP) Services.
- All pricing shown subject to change

Request More Information at:
aimphotonics.com/info-request

