

# NITRIDE ONLY PASSIVE PIC



## Features

The Nitride Only PIC consists of two silicon nitride waveguides and a sensing trench that completely removes the cladding oxide over the first nitride waveguide. In this technology the films have been developed to produce ultra low loss and ultra low fluorescence for use in various sensing applications. The platform also includes very thick (>4um) cladding oxide.

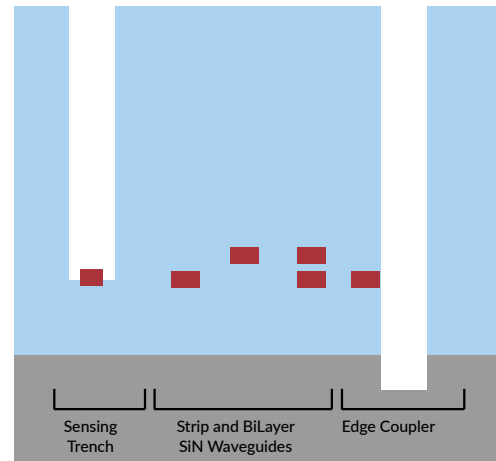
The Nitride Only PIC will be supported by a comprehensive component library that covers many wavelength bands from 700-1625nm. The PDK, when released, will include support for both TE and TM modes.

For more information about the silicon nitride technology offering, see “A low-loss SiN photonic integrated circuit foundry platform for waveguide-enhanced Raman spectroscopy”  
<https://doi.org/10.1117/12.2582529>

## Customization Available

- Adjust waveguide thickness
- Adjust vertical spacing between waveguides

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.

## Pricing and Schedule

We expect to announce pricing and a run schedule in 2Q2022. If you would like to be notified when more information is available please visit [aimphotonics.com](http://aimphotonics.com) to subscribe to our mailing list and indicate that you'd like to receive information about MPW Technology Runs and Updates.

Request More Information at:  
[aimphotonics.com/info-request](http://aimphotonics.com/info-request)

