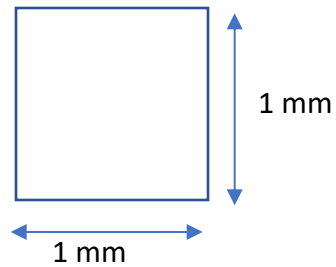


MIT Kimerling Group Design Requirements

Sensor window geometry. The waveguide must fit in this window.



Waveguide requirements

- The waveguide is 2 μm wide 1 μm tall
- Adjacent sections of the waveguide must be at least 10 μm apart
- The minimum waveguide bend radius is 50 μm
- To maximize gas absorption, the waveguide must be as long as possible
- Light is coupled in one end and exits the other