



Silicon On Insulator (SOI) Vendors

There are two main suppliers that the NanoFab has experience with:

1. Silicon Valley Microelectronics Inc
2985 Kifer Road, Santa Clara, CA
95051-0802

Website: www.svmi.com

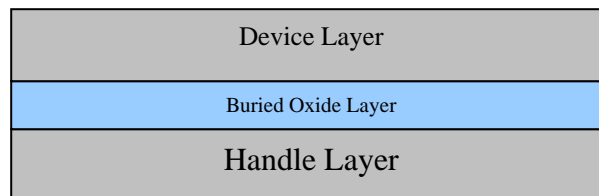
SOI Page: <http://www.svmi.com/siliconwafers.aspx?id=3>

2. UltraSil Corp.
3527 Breakwater Ave, Hayward CA
94545

Website: www.ultrasil.com

SOI Page: http://www.ultrasil.com/our_products_details.aspx?ID=6

The following are standard specifications used to order wafers.



Diameter: 100 – 200 mm

Device Thickness: 2 - > 150 μm

Oxide Thickness: .1 – 10 μm

Handle Thickness: 300 – 500 μm

Dopants: N or P type (NanoFab standard wafers are P/Boron doped)

Resistivity: 1 – 10 Ohm-cm

Orientation: (1-0-0) Standard (1-1-1) and (1-1-0) optional

Finish: Double side polished

Depending on vendor may be standard, leading to higher cost. Only single side polished of device layer is necessary.