

Lithium Niobate Wafers-SAW

Lithium Niobate (LiNbO₃) Wafers SAW Grade

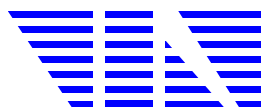
Vin Karola offers a variety of Lithium Niobate (LiNbO₃) single crystal wafers suitable for use in the SAW (Surface Acoustic Wave) devices. This is a non-optical application, and less demanding in terms of impurities, and crystalline perfection.

- ✚ SAW Grade LiNbO₃ wafers
- ✚ Y-axis, 128° RY and 64° RY Orientations
- ✚ 100mm dia x 0.5mm thick
- ✚ One side polished



Features:

| | |
|---------------------------------|--|
| Standard Diameter | 100mm |
| Standard Thickness | 0.5mm |
| Warp | < 50 microns (free state) |
| TTV (Total Thickness Variation) | < 25 microns |
| Surface Finish | <u>Side 1:</u> Polish No pits or scratches within the working area (wafer dia less 1mm around the edge). Inspected with unaided eye using reflected light. <u>Side 2:</u> Ground (Ra: 0.5 – 0.7 micron) |
| Wafer Flat | <u>Primary Flat</u> (perpendicular to X-axis) <u>Secondary Flat</u> (90° clockwise from the primary flat when viewing the polished face) |
| Edge Chips | < 0.5mm in depth, and < 1mm in length |
| Orientations Available | Y-axis, 128° RY, and 64° RY |



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