

Non-polar Silicon Carbide Specifications

Size:

- (1) $15.0 \pm 0.25\text{mm} \times 15.0 \pm 0.25\text{mm}$
- (2) $10.0 \pm 0.25\text{mm} \times 20.0 \pm 0.25\text{mm}$
- (3) $5.0 \pm 0.25\text{mm} \times 5.0 \pm 0.25\text{mm}$

Polish orientation: A-Plane(11-20) or M-Plane (1-100) within ± 1.0 degree

Thickness: $350 \pm 100\mu\text{m}$

Bow/Warp/TTV: $\leq 20\mu\text{m}$

Resistivity: 0.2-1.0 ohm-cm, n-type, nitrogen-doped

Micro-roughness: RMS roughness $\leq 1\text{nm}$ (front side)

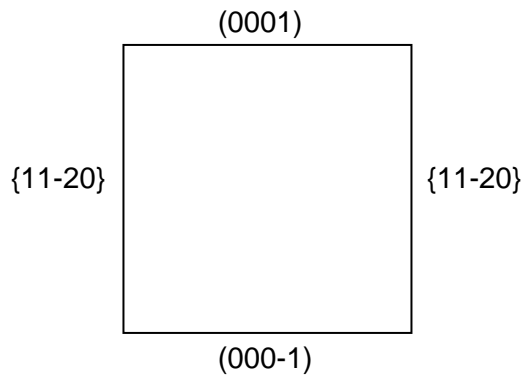
Front surface finish: Epi-polished

Back surface finish: Lapped/ground or optical polish

Packing: 25 mm Fluoroware® container or equivalent (5x5 mm pieces in other packaging)

Sides of squares are (within ± 5 degrees):

a) For m-plane:



b) For a-plane:

