

## Specification Sheet

### LSAT Single Crystal Substrate

(Purity: >99.9%, Size: 10 × 10 × 0.5mm)

Stock No: NS6130-10-1221, CAS: N/A

|                              |   |   |
|------------------------------|---|---|
| <b>Product</b>               | : | <b>LSAT Single Crystal Substrate</b>  |
| Stock No                     | : | NS6130-10-1221  |
| Purity                       | : | >99.9%  |
| Length                       | : | 10 mm   |
| Width                        | : | 10 mm   |
| Thickness                    | : | 0.5 mm  |
| Molecular Formula            | : | (LaAlO <sub>3</sub> ) <sub>3</sub> (Sr <sub>2</sub> AlTaO <sub>6</sub> ) <sub>7</sub> |
| Orientation                  | : | < 100 >   |
| Dielectric Constant          | : | ~22   |
| Orientation Tolerance        | : | ±0.5°   |
| Melting Point                | : | 1840 °C   |
| Thermal Expansion            | : | 10 (x10 <sup>-6</sup> /°C)  |
| Surface Roughness            | : | Ra < 0.5nm  |
| <b>Main Inspect Verifier</b> | : | <b>Manager QC</b>   |

**Note:** Product Specification are subject to amendment and may change over time