

## Nb:SrTiO<sub>3</sub> – Niob doped Strontium Titanate

### PHYSICAL PROPERTIES

<b>a Lattice Constant</b>	3.905 Å
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### ELECTRICAL PROPERTIES

<b>Dielectric Constant</b>	310
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### THERMAL PROPERTIES

<b>CTE, linear</b>	11.1 µm/m-°C
<b>Melting Point</b>	2080 °C

### DESCRIPTIVE PROPERTIES

<b>Dimensions (mm)</b>	10x10x0.5
<b>Junction Angle °</b>	24±1
	36.8±1
<b>Phase Transition Temperature (K)</b>	max 110
<b>Structure</b>	cubic
<b>Surface Orientation °</b>	100±1
	10
<b>Surface Roughness (angstroms)</b>	max 30

