

NS6130-10-1205

STRONTIUM TITANATE

Single Crystal Substrate

Quick Facts

Product	:	Strontium Titanate Single Crystal Substrates
Stock No	:	NS6130-10-1205
CAS	:	12060-59-2
Molecular Formula	:	SrTiO ₃

Technical Specification

Length	Width	Thickness
10 mm	10 mm	1 mm

Strontium Titanate (SrTiO₃) single crystal substrates are a type of substrate used in the growth and study of thin films and epitaxial layers. Strontium titanate is a perovskite oxide with a cubic crystal structure, and it is a commonly used substrate material because of its high dielectric constant, low dielectric loss, and excellent optical properties. SrTiO₃ single crystal substrates are commonly used in the growth of perovskite oxide thin films for applications such as high-k dielectrics, ferroelectric materials, and superconducting films. These substrates are also used in the development of oxide electronics, such as field-effect transistors and memristors.



* This image is for graphic purposes only and does not represent the actual product.

