

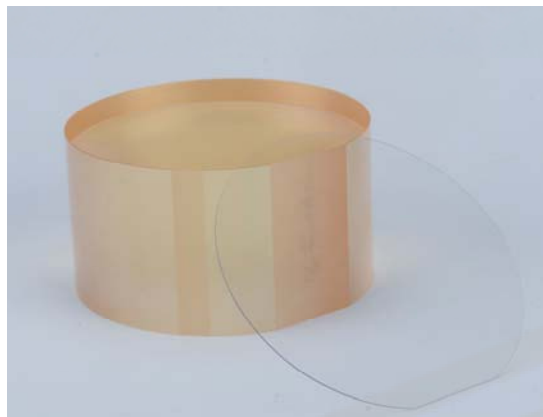


We are committed to the supply of all types of substrate wafers to the microelectronics industry

Optical Grade Lithium Tantalate Wafers

Our abundance experience at growing and mass production for Optical grade Lithium Tantalate. We are equipped with advanced facilities at Crystal growing, wafer lapping, polishing and checking, all finished products are passed at Testing of curie Temp and QC inspection.

Our R&D is active at developing and researching from new material to finished products at all kinds of optical dopped wafers & electronic components.



General Specifications:

Material	LiTaO ₃ wafers (White or Black)	
Curie Temp	603±2°C	
Cutting Angle	X/Y/Z etc	
Diameter/size	2" /3" /4" LT wafer	
Tol(±)	<0.20 mm	
Thickness	0.18 ~ 0.5mm or more	
Primary Flat	16mm/22mm /32mm	
TTV	<3µm	
Warp	<40µm	
Surface Type	Single Side Polished /Double Sides Polished	
Polished side Ra	<0.5nm	
Back Side Criteria	General is 0.2-0.5µm or as customized	
Edge Criteria	R=0.2mm or Bullnose	
Optical doped	Zn/MgO etc	
Wafer Surface Criteria	Contamination,	None
	Particles $\phi > 0.3 \mu m$	≤ 30
	Scratch , Chipping	None
	Defect	No edge cracks, scratches, saw marks, stains
Packaging	Qty/Wafer box	25pcs per box

for Optical grade application

- Low pass filters of Digital Camera in high end models/ holographic components for DVD pick up
- Optical communications; optical switches and modulators/ Gyro sensors
- Laser wavelength converter, generating Blue and Green lasers/By using SHG techniques (Displays, medical, and environmental purposes)

HANGZHOU FREQCONTROL ELECTRONIC TECHNOLOGY LTD.

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