



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

Fe doped LT Wafers

Our abundance experience at growing and mass production for SAW 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 Fe doped wafers & electronic components.



Specifications for Fe doped Saw grade application

Material	LiTaO3 wafers (White or Black & Fe doped)	
Curie Temp	603±2°C	
Cutting Angle	X/Y/Z/X112Y/Y36/Y42/Y48/etc	
Diameter/size	3" /4" /6" LT wafer	
Tol(±)	<0.20 mm	
Thickness	0.18 ~ 0.5mm or more	
Primary Flat	22mm /32mm /42.5mm /57.5mm	
LTV (5mmx5mm)	< 1μm	
TTV	<3μm	
Bow	-30<bow<30	
Warp	<40μm	
PLTV(<0.5um)	≥95%(5mm*5mm)	
Orientation Flat	All available	
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	
Fe doped	Fe doped for saw grade LN< wafers	
Wafer Surface Criteria	Transmissivity	general:5.9x10 ⁻¹¹ <s<2.0*10 ⁻¹⁰ at 25°C
	Contamination,	None
	Particles ϕ >0.3 μ m	<= 30
	Scratch , Chipping	None
	Defect	No edge cracks, scratches, saw marks, stains
Packaging	Qty/Wafer box	25pcs per box

HANGZHOU FREQCONTROL ELECTRONIC TECHNOLOGY LTD.

Head office : # 1106, Crystal International Business Center(CIBC), No.198
Wuxing Rd ,Qianjiang new city Hangzhou, P.R.China Post code: 310006
TEL: 0086-571-85803723 85803731 85803732 FAX: 0086-571-85803724
E-mail: sales@csimc-freqcontrol.com thwu@mail.hz.zj.cn

