

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

Optical Grade Quartz Wafers

Our abundance experience at growing and mass production for optical grade quartz . We are equipped with advanced facilities at Crystal growing, wafer lapping, polishing and checking

Our R&D is active at developing and researching from big material to process 6" optical grade quartz wafer.



Specifications for Optical grade application

Material	Quartz Crystal	
Cutting Angle	X/Y/Z-cut etc	
Diameter/size	1" (25.4mm)-4" (100mm)	
Tol(±)	<0.20 mm	
Thickness	0.05mm or more	
LTV (5mmx5mm)	<1μm	
TTV	<3μm	
Bow	-30 <bow<30< td=""></bow<30<>	
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	
Scratch/Dig	Bette than 40/20	
Edge Criteria	R=0.2mm or Bullnose	
Material Property	ECD	Better than grade 4
	Inclusion	Better than grade I
	Q-Value	Better than grade C
Wafer Surface	Particles ¢>0.3 μm	<= 30
Criteria	Scratch , Chipping	None
	Defect	No edge cracks, scratches, saw marks, stains
Packaging	Qty/Wafer box	25pcs per box

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